





















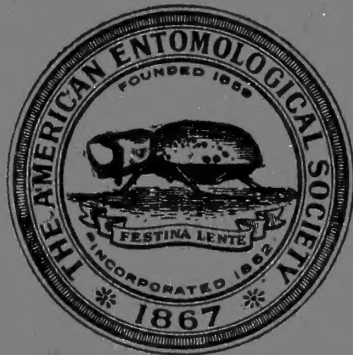
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MEMOIRS  
OF THE  
AMERICAN ENTOMOLOGICAL SOCIETY  
NUMBER 11—PART I

A CATALOGUE  
AND RECLASSIFICATION  
OF THE  
NEARCTIC ICHNEUMONIDAE  
(HYMENOPTERA)

BY  
HENRY K. TOWNES, JR.

Part I. The Subfamilies Ichneumoninae, Tryphoninae,  
Cryptinae, Phaeogeninae and Lissonotinae



PUBLISHED BY THE AMERICAN ENTOMOLOGICAL SOCIETY  
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## INTRODUCTION

*Purpose and scope of Catalogue.*—The family Ichneumonidae possibly contains more species than any other family of animals in Nearctic America. A careful estimate indicates that in this region about 10,000 species probably occur. Their parasitic habits render them of great economic importance and biological interest, but because of an extremely scattered literature and confused taxonomy there is a general lack of interest in the group and a vast amount of preparation is required of the prospective worker if his results are to be a sound contribution. This catalogue was undertaken in an effort to present a coherent guide to the published information and thereby to open the field to more and a better class of research.

It is intended to give a bibliography, systematic arrangement, and host and parasite lists of the described species of ichneumon flies that occur in America north of Mexico (not including the Bermuda Islands), complete through the year 1940 and reasonably complete through 1942. The most recent work of this kind including the Nearctic Ichneumonidae is Dalla Torre's *Catalogus Hymenopterorum*, a splendid work covering the Hymenoptera of the world. There has been so much published since it appeared (Ichneumonidae in 1901 and 1902) that a more up-to-date record has long been needed. Besides a compilation of references, the present catalogue presents a more natural systematic arrangement than has previously been available.

The confused state of the taxonomy of the group has made it necessary to do much research in order to decide upon the proper arrangement of species and their synonyms. This has resulted in the discovery of new synonymy and the need for new generic placements. A conservative course has been followed in making new synonymy, so wherever there seems a reasonable possibility that a

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species or genus is distinct it is so listed. Further study will result in much more synonymy and doubtless in the resurrection of some species and genera now suppressed.

A number of genera as limited here (such as *Tryphon*, *Mesoleius*, *Erigorgus*, *Eriplanus*, *Horogenes*, *Hyposoter*, *Aptesis*, and *Gambrus*) include a heterogeneous lot of species and perhaps should have different limits. There has not been the opportunity to give these and similar cases the careful study they should have. Some of the species covered represent undescribed genera. These are left in one of the genera to which they have been referred, or placed in the nearest described genus.

The arrangement of the genera and higher groups is new. Natural relationships within the Ichneumonidae are not well understood, but studies of larval and adult characters make it clear that there are serious errors in the systems of classification proposed to date.<sup>1</sup> Many of these errors are corrected in the present arrangement. Doubtless some new ones are introduced.

Space does not permit discussion of the reasons for the various taxonomic changes made here. In general, they are based upon the study of holotypes, genotypes, and large collections of specimens. They represent only personal opinions, yet it is believed that other workers studying the same material would not differ with many of the conclusions presented. Description of the characters and material which form the bases for these conclusions will have to wait for such revisional papers as can be published.

The genotypes given are the same as those listed by Viereck in his *Type Species of the Genera of Ichneumon Flies* <sup>2</sup> and *Supplement* <sup>3</sup> except where bibliographic data unknown to Viereck indicate that other genotypes must be selected. In cases where Viereck cited genotypes on incorrect data (*Terpiphora*, *Ischnurgops*, etc.) his citations are regarded as genotype designations. In most cases the genotypes have been listed as Viereck presented them without an attempt at verification. References to generic descriptions have

<sup>1</sup> The system used by Schmiedeknecht in his *Opuscula Ichneumonologica* as modified by Cushman and Rohwer in their studies on the Ichneumoninae is the one most generally followed in North America.

<sup>2</sup> Bull. U. S. Nat. Mus., 1914, 83: 1-186.

<sup>3</sup> Proc. U. S. Nat. Mus., 1921, 59: 129-150.

not been thoroughly verified except by comparing the data in different bibliographic sources. All generic names have been looked up in Neave's *Nomenclator Zoologicus* to eliminate the possibility of preoccupation.

Except as noted below, the specific bibliographies are complete so far as my knowledge of the literature goes. All references but eleven have been verified and after these eleven it is stated that the reference has not been seen. Probably little taxonomic material of importance has been omitted. Among the more scattered and numerous host and distributional records there are certainly a large number that have not been found, primarily because bibliographic works cover these forms of literature less completely. References in which the material is obviously taken entirely from published sources have been omitted. In case of doubt possible secondary sources have been included, often without careful checking, with the result that the culling is incomplete. There are a number of lists of holotypes and lectotypes of Nearctic Ichneumonidae.<sup>4</sup> Although they give some new information, a large proportion of the citations are a repetition of data published elsewhere. No reference to any of them is given in the specific bibliographies. In the case of a species ranging outside of the region covered, all references based on Nearctic material are given, but of the others, only the original description and the first correct generic placement are included. References where only a generic determination is given or where the specific determination is queried, are ordinarily not included.

There have been a number of attempts to introduce exotic species of Ichneumonidae to control insect pests. Of these species, those that have been able to establish and maintain themselves are accepted as members of the Nearctic fauna, and literature describing them as established members of our fauna is cited, but not that dealing with their laboratory handling and field colonization.

Few determinations have been verified from the original material. Unless there is clear evidence that a reference presents a mis-determination, the name is accepted as correct. It has been necessary thus to accept innumerable determinations where the literature

<sup>4</sup> See the references given in footnotes under the discussions of collections and the types they contain.

and material available to the determiner were not sufficient to guarantee accurate work, or where the locality or host data indicate either that the species was misdetermined or that the data were incorrect. Anyone using this catalogue should therefore be aware of the large amount of misinformation available for the unwary.

A total of 331 described genera and 2,473 described species are recognized as valid in the region covered. Approximately 671 specific and 176 generic names are synonymized for the first time, twenty-five new specific and three new generic names are proposed for names preoccupied or misapplied, and 1,116 generic transfers are made. A number of species and genera not previously reported from the region covered are recorded as Nearctic.

*Acknowledgments.*—Work on this catalogue has been done during spare time under a variety of conditions, in connection with a number of institutions, and over a period of several years. From September 1940 to September 1941 its preparation was carried forward continuously under a National Research Fellowship at the Academy of Natural Sciences of Philadelphia under the direction of Mr. James A. G. Rehn. The unusual opportunities of uninterrupted time for research and access to the unparalleled historic collections at the above institution have enabled me to complete the catalogue sooner and in more accurate form than otherwise would have been possible. During my present employment in Washington in the Division of Insect Identification of the Bureau of Entomology and Plant Quarantine, United States Department of Agriculture, I have used official time in finishing the bibliographic work and other parts of the catalogue.

For bibliography I have relied upon my personal library and the libraries of Cornell University, The American Entomological Society, the Academy of Natural Sciences of Philadelphia, the United States National Museum, the United States Department of Agriculture, and the Library of Congress. Reference to the card files on the systematics and hosts of the Ichneumonidae of the world built up by the Division of Insect Identification have given many references that otherwise would have been omitted.

Taxonomic studies were based mainly on the Townes Collection. Other collections utilized are those of Cornell University, the Academy of Natural Sciences of Philadelphia, and the United

States National Museum. These last three collections gave invaluable aid on special problems, but, aside from the types, time did not permit study of more than small sections of their material.

I am indebted for help to the workers mentioned in this paragraph. In the main this has been in the form of the free exchange of ideas and information. Dr. A. Roman of the Swedish National Museum and Dr. G. Heinrich (formerly?) of Borówki, Poland, have given assistance in the generic placement of certain Nearctic species. Mr. H. D. Smith of the U. S. Bureau of Entomology and Plant Quarantine has shown me his material and manuscript on ichneumonid larvae. Mr. Noel-M. Comeau of the Museum of the Province of Quebec has given me the benefit of his detailed knowledge of the Provancher type material. Mr. G. Stuart Walley of the Canadian Division of Entomology has likewise helped me with the type material in the Canadian National Collection. Mr. R. A. Cushman of the U. S. Bureau of Entomology and Plant Quarantine has been consulted on innumerable matters in the course of the work and his great knowledge and experience in the family have made his assistance most valuable. A number of specialists have given help with the synonymy of the host species. I am especially indebted to Mr. Carl Heinrich for help with the Lepidoptera.

In all aspects of the work on this catalogue, from collecting and studying material to taking notes on types, bibliographic work, criticism, typing, and proofreading, my wife (Dr. Marjorie Chapman Townes) has done a large share of the work. In a sense she is co-author.

A portion of the cost of publication of this work has been met by a grant from the National Research Council, with the remainder made available by The American Entomological Society.

*Explanation of abbreviations.*—The following are the abbreviations used with the references to indicate their contents:

*biol.* Information on the morphology or habits of the immature stages or on the habits of the adult.

*des.* Description or descriptive notes on the adult, other than the original description.

*fig.* One or more figures in the text or on a plate.

*host.* A host named. Letters following the word "host" refer to the host list under the species.



*key.* Inclusion of the species in a key.

*o.d.* An original description forming the basis for a new name. After such references are given the type locality and, in parentheses, the collection containing the type specimen. For a list of the abbreviations used for the collections containing types, see pages 10 to 15.

*parasite.* A parasite recorded. Letters following the word "parasite" refer to the parasite list under the species.

*syn.* Information on the synonymy or generic position.

Abbreviations of states and the provinces of Canada following a reference indicate that distributional data are given for each of the states and provinces listed. In the case of an original description, the type locality is given in full but the presence of additional distributional data for that particular province or state is not indicated.

*Nomenclatorial problems.*—In 1868 Foerster<sup>5</sup> proposed 502 new generic names in the Ichneumonidae, all without included species. There are several logical methods of dealing with such genera, the choice between which seems largely arbitrary. Among these methods, the one presented by the International Commission on Zoological Nomenclature seems workable and is hereby adopted. In Opinion 46 the International Commission stated that ". . . if (as in *Aclastus* Foerster, 1868) it is not evident from the original publication of the genus how many or what species are involved, the genus contains all of the species of the world which would come under the generic description as originally published, and the first species published in connection with the genus (as *Aclastus rufipes* Ashmead, 1902) becomes *ipso facto* the type." This opinion has been rather generally followed by British and American workers. Many workers prefer to regard these Foerster genera as unpublished until they receive species or to disregard them entirely.

There is a further cause of confusion. Some workers believe that, according to the Commission, the genotype of one of these genera is not the first species referred to it but the first referred which completely agrees with the original description. The basis for this viewpoint is the statement in Opinion 46 that "the genus contains all of the species of the world which come under the generic description as originally published," with the inference that

<sup>5</sup> Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 135–221.

species not agreeing with the original description were not originally included and therefore are not available as genotypes. A careful consideration of the Opinion seems to force the conclusion that the Commission did not intend that a species should have to be perfectly in accord with the original description in order to become a genotype. It is, however, certain that the other viewpoint can be read into Opinion 46, and without clarification from the Commission itself (whose membership has now changed) the matter can not be finally settled. The problem can perhaps better be approached from another angle. Suppose we grant that a species must fit the original description if it is to become genotype. Whether a species fits one of Foerster's generic descriptions is often subject to differences of opinion, and the only method for securing uniformity where there is opportunity for such differences is to accept the decision of some authority. The most convenient authority for acceptance is the person who originally referred the prospective genotype to the genus in question. He believed that the species agreed with the original generic description reasonably well and no good nomenclatorial purpose is served by substituting the decision of some later worker. To follow this suggestion would result in some absurdities in the application of names and some pain to our taxonomic consciences, but also in an unquestionable gain in nomenclatorial stability and uniformity.

Some prefer to select genotypes of these genera as indicated by a study of Foerster's collection and unpublished manuscripts.<sup>6</sup> It is unfortunate that greater use was not made of these sources before the application of the names became fixed, but, regardless of the importance of understanding how Foerster intended that his names should be applied, Opinion 46 indicates that established nomenclature should not be upset by such information. This is not according to the methods used on specific names and is one of the inconsistencies in the Rules of Nomenclature. The practical advantages of this inconsistency recommend its continuance.

<sup>6</sup> Foerster's collection is in the Vienna Museum. Small parts of it have been studied by various workers. His manuscripts contain fuller descriptions than his published keys and include species in many of the genera. These manuscripts were formerly in the possession of Dr. O. Schmiedeknecht and were used in the preparation of his *Opuscula Ichneumonologica*. About 1922 they were purchased by the U. S. Department of Agriculture and have since been used by Cushman in the preparation of his papers on the types of certain of Foerster's genera.

In this catalogue the Foerster genera of 1868 are dated from the time first proposed and the first species, or one of the first group of species, referred to one of these genera is accepted as genotype.

The selection of subfamily, tribal, and subtribal names is according to priority, though the bibliographic history of these names and their synonyms is not presented. Only names based upon those of included genera are used and they are dated from their first use for a supergeneric group. There are several different sets of principles commonly used by zoologists for the selection of group names the uniform application of any one of which would result in many changes from current usage. The principles stated above are used in this catalogue because it seems desirable to preserve and extend the rule of priority in nomenclature and because in the Ichneumonidae this would result in the continuance of practically all the group names in current use.

The International Rules on Zoological Nomenclature as supplemented by the Opinions have formed the basis for all other nomenclatorial decisions with the exceptions pointed out below. The exceptions are ventured in the interest of sound nomenclature. It is hoped that they will not seem too offensive to those who consider the International Rules inviolable.

If a specific name was not a homonym when first proposed and is not the same as that of other species or their available synonyms belonging to its proper genus, it is not changed for a newer name. As at present written, the International Rules require that if a name is a homonym at any time in its history through the assignment of species to genera in which they do not belong, the name should be permanently rejected. The permanent rejection of names in these latter cases seems unnecessary, and I have recently learned that the International Commission is about to publish an Opinion in which this obnoxious requirement will be revoked.

The original spellings of generic and specific names have been retained.\* The large number of emendations which would result from an application of the International Rules and Opinions on the transliteration and formation of names seems undesirable.

\* The author prefers to omit parentheses from the names of the authors of species. The parentheses have been inserted in this paper by the editor in accordance with the established practice of this serial.

Opinion 78 of the International Commission on Zoological Nomenclature erases the traditional distinction between *nomina nuda* and names founded upon descriptions. Opinion 6 requires the selection of genotypes by elimination. These two opinions apparently contradict other parts of the Rules and Opinions and are therefore disregarded.

*Location of types.*—Following is an annotated list of North American collections containing types of Nearctic Ichneumonidae. In parentheses after the names of each collection is the abbreviation used in this paper.

The Academy of Natural Sciences of Philadelphia at Philadelphia, Pa. (A.N.S.P.) contains most of the types of Cresson and Davis, many of those of Viereck, and some of other authors. Lists of these types have been published.<sup>7</sup> Besides those in the published lists, there are most of Hopper's types of Ichneumoninae, some of Townes' types of *Netelia*, and types of the following: *Exochus albifrons* Cresson, *Ichneumon comes* var. *aleatorius* Cresson, *Arotes occipitalis* Cresson, *Pyracmon aldrichi* Davis, and *Mesoleptus striatus* Davis. The lectotype of *Cremastus cookii* Weed is not the specimen listed but is a specimen in the collection of the Illinois Natural History Survey, as the latter was the first to be designated. About 1,000 types of Nearctic species are present. They are under the care of Mr. James A. G. Rehn and Mr. E. T. Cresson, Jr.

The United States National Museum at Washington, D. C. (U.S.N.M.) contains all the types of Ashmead except *Limneria* (*Sinophorus*) *canarsiae* and *Spilocryptus canarsiae*; all the types of Cushman except *Exetastes corvinus*, *E. infumatrix*, *E. subimpressus*, and *Odontomerus brevicaudus*; all those of Rohwer, Riley, and Howard; many of those of Viereck; some of Cresson;<sup>8</sup> and a smaller number of types of other authors. About 800 types of Nearctic species are present. They are under the care of Mr. R. A. Cushman.

The Museum of the Province of Quebec at Quebec, Que. (M.P.Q.) contains most of the types of Provancher<sup>9</sup> and the type

<sup>7</sup> Types of Cresson: Mem. Amer. Ent. Soc., 1916, 1: 12-64. Types of Davis and other authors: Mem. Amer. Ent. Soc., 1928, 5: 11-26.

<sup>8</sup> Cresson's types in the U. S. National Museum are listed in Mem. Amer. Ent. Soc., 1916, 1: 12-64.

<sup>9</sup> Listed by Gahan and Rohwer in *Canad. Ent.*, 1917, 49: 298-308, 331-336, 391-400, 427-433; 1918, 50: 28-33, 101-106, 133-137, 166-171, 196-201. Additions and correc-

of *Lampronota provancheri* Dalla Torre. About 442 types of Nearctic species are present. They are under the care of Mr. Noel-M. Comeau.

The Canadian National Collection at Ottawa, Ont. (C.N.C.) contains many of Viereck's types (especially Campoplegini), most of the types of Walley, all those of Harrington except *Pezomachus ottawaensis* at the Academy of Natural Sciences of Philadelphia and some of Provancher.<sup>10</sup> About 405 types of Nearctic species are present, of which about 267 are Campoplegini. They are under the care of Mr. G. Stuart Walley.

The Snow Collection of the University of Kansas at Lawrence, Kans. (Univ. Kans.) contains the types of *Callidiotes kansensis* Brues, *Exetastes infumatricus* Cushman, *E. subimpressus* Cushman, *Hemiteles cheboyganensis* Butcher, *H. cushmani* Butcher, *Netelia* (*Netelia*) *cushmani* Townes, *N. (N.) glabra* Townes, and sixty-six types of Viereck.<sup>11</sup> They are under the care of Prof. R. H. Beamer.

The Connecticut Agricultural Experiment Station at New Haven, Conn. (Conn. Agr. Exp. Sta.) contains the types of *Campoplex* (*Campoplex*) *ruficoxalis* Viereck, *Thaumatotypus spinulatus* Strickland, *Pezomachus* (*Micromeson*) *lymense* Strickland, and all the Ichneumonidae described by Viereck<sup>12</sup> except for *Amblyteles* (*Barichneumon*) *duplicatifformis*, *Phygadeuon* (*Plesignathus*) *nortoni*, *P. (Bacchia)* *tumidiformis*, *Agrothereutes* (*Itamoplex*) *cressoni*, *A. (I.) ebenus*, *A. (I.) iroquois*, and *Plectiscidea* (*Aperileptus*) *contentionis*, which are at the Academy of Natural Sciences of Philadelphia, and for *Therion sassacus*, and *T. waccagum*, which are at the United States National Museum. Altogether, fifty types are present. They are under the care of Mr. J. C. Schread.

tions to Gahan and Rohwer's list were published by Townes in *Canad. Ent.*, 1939, 71: 92-95. Mr. Noel-M. Comeau has restudied the problem of Provancher's types and is about to publish a completely revised list.

<sup>10</sup> The Provancher types in the Canadian National Collection are listed by Gahan and Rohwer in the paper referred to in footnote 9. Additions to their list were published by Walley in *Canad. Ent.*, 1937, 69: 115-117. These lists are being revised by Mr. Comeau.

<sup>11</sup> Viereck's types are of species published in *Trans. Kans. Acad. Sci.*, 1905, 19: 264-326; and in *Trans. Amer. Ent. Soc.*, 1906, 32: 178-183, 216-220, 225-226, 243-244, 245; 1908, 33: 385.

<sup>12</sup> *Bull. Conn. Geol. Nat. Hist. Surv.*, 1917, 22: 216, 243-360, 766-767.

The Museum of Comparative Zoology at Harvard University, Cambridge, Mass. (M.C.Z.) contains the following thirty-three Nearctic types: *Ameloclonus xanthocerus* Viereck, *Angitia aestivalis* Viereck, *Campoplegidea conformis* Walley, *Campoplex banksi* Viereck, *C. dissitus* Norton, *C. pieridicola* Packard, *Cryptohelcostizus dichrous* Viereck, *Cryptus samiae* Packard, *C. smithii* Packard, *Cymodusa simplicicornis* Viereck, *Holocremnus flaviclypeus* Viereck, *H. virginiensis* Viereck, *Ichneumon comptus* Say, *I. concinnus* Say, *I. duplicatus* Say, *I. hispae* Harris (only a fragment left), *I. hunterae* Packard, *I. unifasciatus* Say, *Idechthis nigriscapus* Viereck, *Labrorychus aestivalis* Viereck, *Limneria limenitidis* Howard (cotype), *Metopius hageni* Cresson, *Ophion analis* Say, *O. brachiator* Say, *O. tityri* Packard, *Pesomachus* (*Micromeson*) *annulatus* Strickland, *P. flavocinctus* Ashmead (cotype), *P. longipes* Strickland, *P. stanfordensis* Strickland, *Sagaritis melanomerus* Viereck, *Viereckiana egregia* Viereck, *Zaplatystoma johnsoni* Viereck, and *Zastenomorpha lamina* Viereck. They are under the care of Mr. Nathan Banks.

The collection of Prof. C. T. Brues at Harvard University, Cambridge, Mass. (Brues Coll.) contains the following twenty-six Nearctic types: *Eiphosoma septentrionale* Brues, *Grypocentrus rufiterminalis* Hall, *Heterocola americana* Brues, *Microcryptus* (*Theroscopus*) *vernalis* Brues, *Pezomachus angularis* Brues, *P. birkmanni* Brues, *P. cockerelli* Brues, *P. crassulus* Brues, *P. delumbis* Brues, *P. foersteri* Brues, *P. foveatus* Brues, *P. habilis* Brues, *P. insolens* Brues, *P. maculicollis* Brues, *P. manni* Strickland, *P. texanus* var, *nigriventris* Brues, *P. obesus* Brues, *P. urbanus* Brues, *P. wheeleri* Brues, *Polyblastus fulvilinealis* Hall, *P. kaniakensis* Hall, *P. scopioroides* Hall, *Prionopoda media* Hall, *Pristomeridea dubia* Brues, *Pristomerus coloradensis* Brues, and *Scopiorus plagosus* Hall.

The Peabody Museum at Yale University, New Haven, Conn. (Yale Univ.) contains the following nineteen types of Norton: *Anomalon ambiguus*, *A. curtus*, *A. ferrugineus*, *A. hyaline*, *A. luteopectus*, *A. metallicus*, *A. nigro-rufus*, *A. prismaticus*, *A. semi-rufus*, *Campoplex argenteus*, *C. assitus*, *C. diversus*, *C. genuinus*, *C. glaucus*, *C. villosus*, *C. vitticollis*, *Exochilum fuscipennis*, *E. tenuipes*, *Hemiteles utilis*, and perhaps also the type of *Trogus atrocaeruleus* Cresson. They are under the care of Dr. S. C. Ball.

Cornell University at Ithaca, N. Y. (Cornell Univ.) has the following eighteen types: *Agathobanchus bradleyi* Viereck, *Cratichneumon rubicundus* Bradley, *Exetastes corvinus* Cushman, *Netelia* (*Netelia*) *acuminata* Townes, *N. (N.) brunnea* Townes, *N. (N.) falcata* Townes, *N. (N.) idioctenus* Townes, *N. (Toxochilus)* *magniceps* Townes, *N. (Netelia)* *palpalis* Townes, *N. (N.) recta* Townes, *N. (N.) reflexa* Townes, *N. (Toxochilus)* *ultima* Townes, *Odontomerus albotibialis* Bradley, *Phaeogenes pimploides* Bradley, *Phygadeuon* (*Stibeutes*) *yuasai* Bradley, *Platylabus luzernensis* Bradley, and *Trogus nigrocinctus* Hasey. They are under the care of Dr. Henry Dietrich.

The California Academy of Science at San Francisco, Calif. (Calif. Acad. Sci.) contains fourteen Nearctic types as follows: *Neopristomerus woodworthi* Viereck, *Netelia* (*Paropheltes*) *ciliata* Townes, *N. (Netelia)* *ingrata* Townes, *N. (Paropheltes)* *laticeps* Townes, *N. (Netelia)* *ligata* Townes, *N. (Toxochilus)* *mystace* Townes, *N. (Netelia)* *pallens occidentalis* Townes, *N. (N.) pluridens* Townes, *N. (Paropheltes)* *radiata* Townes, *N. (Netelia)* *rectifascia* Townes, *N. (N.) umbone* Townes, *N. (N.) unicolor* Townes, *Megarhyssa lunator icterostica* Michener, and *Thyreodon flam-mipennis* Ashmead. They are under the care of Dr. E. S. Ross.

The collection of H. K. and M. C. Townes at Takoma Park, Md. (Townes Coll.) contains the following eleven types of H. K. Townes: *Netelia* (*Netelia*) *blantoni*, *N. (N.) delicata*, *N. (N.) heroica*, *N. (N.) microdon*, *N. (N.) ovalis*, *N. (N.) punctata*, *N. (Parabatus)*, *rogersi*, *N. (Paropheltes)* *serrata*, *N. (Parabatus)* *uncata*, *Pimpla inflata*, and *P. nuda*.

The collection of the Illinois Natural History Survey contains ten types, as follows:<sup>13</sup> *Cremastus cookii* Weed, *C. cookii* var. *rufus* Weed, *C. forbesi* Weed, *Glypta phoxopteridis* Weed, *Limneria* (*Sinophorus*) *canarsiae* Ashmead, *L. elegans* Weed, *L. teratis* Weed, *Pimpla minuta* Weed, *Spilocryptus canarsiae* Ashmead, and *Tricyphus ater* Hopper. They are under the care of Dr. H. H. Ross.

Michigan State College at East Lansing, Mich. (Mich. State College) has the following seven types: *Aptesis major* Davis,

<sup>13</sup> Except for the last, these are enumerated by Frison in Bull. Ill. Nat. Hist. Surv., 1927, 16: 212-213. The type of *Pimpla minuta* is a male, rather than a female as stated by Frison.

*Chorinaeus pleturus* Davis, *Ischnoscopus nigricapitatus* Cook and Davis, *Mesochorus pulchellus* Cook and Davis, *Metopius errantia* Davis, *Oetophorus osflavus* Davis, and *Polycinetus solitarius* Davis. These are under the care of Prof. C. W. Sabrosky.

The Milwaukee Public Museum at Milwaukee, Wis. (Milwaukee Public Mus.) contains the following seven types of Brues: *Enizemum neomexicanum*, *Metopius birkmanni*, *Orthopelma thomsoni*, *Oxytorus paludicola*, *Promethes rohweri*, *Syrphoctonus laevis*, and *Zootrepes similis*.

The New York State Museum at Albany, N. Y. (N. Y. State Mus.) contains the following five types of Felt: *Ophion abnormum*, *O. appendiculatum*, *O. arcuatum* (cotype), *O. ferrugineipennis* (cotype), and *O. gillettei*. They are under the care of Dr. R. D. Glasgow.

The Séminaire de Chicoutimi at Chicoutimi, Que. (Séminaire de Chicoutimi) contains the type of *Ichneumon saguenayensis* Provancher. It is under the care of Prof. Léonidas Larouche.

Massachusetts State College at Amherst, Mass. (Mass. State College) contains the type of *Campoplex variabilis* Franklin. It is under the care of Prof. C. P. Alexander.

The New Hampshire Agricultural Experiment Station at Durham, N. H. (N. H. Agr. Exp. Sta.) is said to have cotypes of *Ameloctonus clisiocampae* Weed. In his original description Weed stated that cotypes were deposited in this collection and in the United States National Museum. The cotypes in the National Museum could not be found.

The collection of Mr. A. Bolter (Bolter Coll.) is said by Cresson<sup>14</sup> to contain the type of *Trogus bolteri* Cresson. The location of this collection is unknown to me.

Except as listed below, all types of Nearctic species in North American collections have been seen. Those not seen are as follows: *Asphragis jacobii* Walley, *Olesicampe pikonemae* Walley, and *Cryptus segregatus* Provancher in the Canadian National Collection; *Campoplex variabilis* Franklin at Massachusetts State College; *Orthopelma thomsoni* Brues at the Milwaukee Public Museum; *Trogus bolteri* Cresson in the Bolter collection; *Ameloctonus clisiocampae* Weed in the collection of the New Hampshire Agricultural Experiment Station; *Ichneumon* (*Barichneumon*) *nigrosignatus*

<sup>14</sup> Mem. Amer. Ent. Soc., 1915, 1: 21.



Viereck, reputedly at the University of Kansas; *Sagaritis melanomerus* and *Zaplatystoma johnsoni* Viereck, reputedly at Harvard University; *Trogus atrocaeruleus* Cresson, reputedly at Yale University; and *Neopristomerus woodworthi* Viereck, *Megarhyssa lunator icterosticta* Michener, and *Thyreodon flammipennis* Ashmead at the California Academy of Sciences. Of these, *Trogus atrocaeruleus*, *Ichneumon nigrosignatus*, *Neopristomerus woodworthi*, *Sagaritis melanomerus*, and *Zaplatystoma johnsoni* are known to me only by their original descriptions. Mr. R. A. Cushman has recently examined the type of *Cryptus segregatus* and I am indebted to him for information about it.

Types in European museums have not been seen, and because of the war no attempt has been made to gain information about them through correspondence. It has, however, been possible to get authentic information about some of Cameron's species through the C. F. Baker collection at Pomona College, Claremont, Calif. Apparently, when Baker sent material to Cameron for description, he usually kept numbered duplicates in his own collection, which he labeled with Cameron's names when these were published. Mr. R. A. Cushman has examined the Baker material at Pomona College and found the following Cameron species apparently correctly labeled: *Aneucelis? erythrostomus*, *Enytus maculipes*, *Lampronota aciculata*, *Orona petiolaris*, *Ateleophadnus bicarinata*, *Cidaphrurus nigrolineatus*, *Compsocryptus brevicornis*, *Glypta xanthogastra*, and *Otacustes nigro-ornatus*. Through the generosity of Prof. W. E. Hilton, the curator of the collection, Mr. Cushman was able to bring back to the United States National Museum representatives of the first four of these species. I have studied the specimens at the National Museum. For identification of the others, I have relied upon Mr. Cushman's notes.

I wish to express my gratitude to the men and institutions who have permitted me to study the type material in their care.

*Taxonomic papers of special interest to students of Nearctic Ichneumonidae.*—Original titles are not given.

ASHMEAD, *Proc. U. S. Nat. Mus.*, 1900, 23: 1-220. Keys to all genera of Ichneumonidae. This is largely a translation of Foerster's 1868 paper with subsequently described genera added. The student will find it confusing and full of errors.

MEM. AMER. ENT. SOC., 11 pt. 1.

- CRESSON, *Trans. Amer. Ent. Soc.*, 1870, 3: 151-166. Revision of the Nearctic species of *Glypta* and *Lissonota*. Old, but still useful.
- CRESSON, *Trans. Amer. Ent. Soc.*, 1877, 6: 129-212. Revision of the Nearctic Phaeogeninae. Incomplete and old, but of high quality for its day and still useful.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1917, 53: 503-551. Revision of part of the Nearctic Cremastini (*Pseuderipternus*, *Dolichopselephus*, *Cremastus*, and *Zaleptopygus*). This treats only a fraction of the existing species.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 7-48. Revision of the Nearctic Theroniini, Polysphinctini (except *Schizopyga*), and Lycorini.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 268-288. Revision of part of the Nearctic Cremastini (*Pristomerus*, *Areolopristomerus*, *Eiphosoma*, and *Dimorpha*).
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1920, 58: 327-362. Revision of the Nearctic Echthromorphini.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1921, 60, art. 4: 1-14. Key to the Holarctic tribes of Ichneumoninae and revisions of the Nearctic species of *Clistopyga* and of *Schizopyga*.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1929, 74, art. 16: 1-58. Revision of the Nearctic Cryptini with the areolet very small (*Mesostenini* of authors).
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1930, 77, art. 3: 1-15. Revision of the Nearctic species of *Odontocolon*.
- CUSHMAN, *Proc. U. S. Nat. Mus.*, 1937, 84: 243-312. Revision of the Nearctic species of *Exetastes*.
- CUSHMAN and ROHWER, *Proc. U. S. Nat. Mus.*, 1920, 57: 502-523. Revision of the Nearctic Acaenitini.
- DAVIS, *Trans. Amer. Ent. Soc.*, 1895, 22: 17-30. Revision of the Nearctic Diplazoninae. Unsatisfactory, but the best available.
- DAVIS, *Trans. Amer. Ent. Soc.*, 1897, 1898, 24: 193-348. Revision of the Nearctic Metopiinae, Orthocentrinae, Plectiscinae, Tryphoninae, and Mesoleiinae. Poor, but the best available.
- HOOKE, *Trans. Amer. Ent. Soc.*, 1912, 38: 1-176. Revision of the American Ophionini. Monographic in scope and a useful compilation, but the taxonomic work is superficial.
- HOPPER, *Trans. Amer. Ent. Soc.*, 1939, 65: 307-346. Revision of the Nearctic Trogini.
- ROHWER, *Proc. U. S. Nat. Mus.*, 1920, 57: 405-474. Revision of the Nearctic Labenini, Rhyssini, Eugaltini (except *Clistopyga* and *Diacritus*), Xoridini, and *Phytodietus*. The part on *Phytodietus* is unsatisfactory; that on *Odontocolon* is superseded by Cushman, 1930.
- SCHMIEDEKNECHT, *Opuscula Ichneumonologica*, 1902-1927, 5 volumes, 3,570 pages. Contains a treatment of all European species and relatively good keys to genera. It is the best general means of determining ichneumonid genera, but the publication is scarce and very expensive. Besides the

initial five volumes there are a number of supplementary ones which are largely a rewriting of the first five.

TOWNES, *Lloydia*, 1939, 1: 168-231. Revision of the Nearctic species of *Netelia*.

TOWNES, In Comstock; An Introduction to Entomology, ninth edition, 1940, pp. 922-929. Key to the subfamilies (as recognized in the past) and a general account of the Ichneumonidae.

TOWNES, *Ann. Ent. Soc. Amer.*, 1940, 33: 283-323. Revision of the Echthromorphini and Theroniini of eastern Nearctic America.

VIERECK, *Bull. U. S. Nat. Mus.*, 1914, 83: 1-186; (supplement, *Proc. U. S. Nat. Mus.*, 1921, 59: 129-150). A list of all genera of Ichneumonoidea with the genotype and reference to the original description of each.

VIERECK, *Bull. Conn. Geol. Nat. Hist. Surv.*, 1917, 22: 216, 243-360, 766-767. Taxonomic treatment of the Connecticut Ichneumonidae. Notice of this paper is included to warn students from trying to use it. Its incompleteness and inadequacies make it a stumbling block.

VIERECK, *Canad. Ent.*, 1925, 57: 176-181, 198-204, 223-228, 296-303; 1926, 58: 2-8, 30-38, 71-78, 122-130, 143-149, 176-182, 196-201, 219-225, 257-260, 276-283. Revision of the Canadian Campoplegini, except *Campoplegidea*. A highly artificial classification is presented and numerous species are described. The keys are largely unworkable.

WALLEY, *Scientific Agriculture*, 1940, 20: 639-734. Revision of the Nearctic species of *Campoplegidea*.

In addition, revisions of miscellaneous smaller genera will be found in the papers of Cushman and Walley. These may be located by referring to the species bibliographies.

*Systematic Arrangement of the Nearctic Genera of Ichneumonidae*

## ICHNEUMONINAE

|                       |                       |
|-----------------------|-----------------------|
| Ichneumonini          | Lycorini              |
| <i>Scambus</i>        | <i>Toxophoroides</i>  |
| <i>Alophosternum</i>  | Eugaltini             |
| <i>Calliephialtes</i> | <i>Poemenia</i>       |
| <i>Ichneumon</i>      | <i>Clistopyga</i>     |
| <i>Iseropus</i>       | <i>Diacritus</i>      |
| <i>Tromatobia</i>     | <i>Deuteroxorides</i> |
| <i>Zaglyptus</i>      | Rhyssini              |
| <i>Pseudorhyssa</i>   | <i>Rhyssa</i>         |
| <i>Delomerista</i>    | <i>Rhyssella</i>      |
| <i>Perithous</i>      | <i>Megarhyssa</i>     |
| Polysphinctini        | Theroniini            |
| <i>Zabrachypus</i>    | <i>Theronia</i>       |
| <i>Oxyrrhexis</i>     | Labenini              |
| <i>Zatypota</i>       | <i>Labena</i>         |
| <i>Colpomeria</i>     | <i>Grotea</i>         |
| <i>Acrodactyla</i>    | Xoridini              |
| <i>Polysphincta</i>   | <i>Xorides</i>        |
| <i>Hymenopimecis</i>  | <i>Odontocolon</i>    |
| <i>Schizopyga</i>     | <i>Aplomerus</i>      |
| Echthromorphini       | Acoenitini            |
| <i>Coccygomimus</i>   | <i>Coleocentrus</i>   |
| <i>Ephialtes</i>      | <i>Arotes</i>         |
| <i>Itopectis</i>      |                       |

## TRYPHONINAE

|                       |                     |
|-----------------------|---------------------|
| Thymaridini           | <i>Notomeris</i>    |
| <i>Eclytus</i>        | Idiogrammatini      |
| <i>Neliopisthus</i>   | <i>Idiogramma</i>   |
| <i>Thymaris</i>       | Tryphonini          |
| <i>Campothreptus</i>  | <i>Grypocentrus</i> |
| <i>Hybophanes</i>     | <i>Polyblastus</i>  |
| <i>Atopotrophos</i> * | <i>Labroctonus</i>  |
| Phytodietini          | <i>Scopiorus</i>    |
| <i>Phytodietus</i>    | <i>Erromenus</i>    |
| <i>Netelia</i>        | <i>Tryphon</i>      |
| Boethini              | <i>Dyspetes</i>     |
| <i>Boethus</i>        | <i>Cosmoconus</i>   |
| Adelognathini         | <i>Catocentrus</i>  |
| <i>Adelognathus</i>   | <i>Thibetoides</i>  |
| <i>Cnemischys</i>     |                     |

\* This genus will be found on page 174.

## Exenterini

*Exenterus*  
*Acrotomus*  
*Cteniscus*

*Eridolius*

*Diaborus*

*Smicroplectrus*

*Exyston*

## CRYPTINAE

## Hemitelini

*Bathythrix*  
*Amydraulax*  
*Mastrus*  
*Apotemnus*  
*Otiacustes*  
*Ethelurgus*  
*Stiboscopus*  
*Acrolyta*  
*Isdromas*  
*Idemum*  
*Alegina*  
*Cyrtobasis*  
*Diaglyptidea*  
*Phobetor*  
*Haplaspis*  
*Anurotropus*  
*Gelis*  
*Arachnoleter*  
*Myersia*  
*Thaumatotypidea*  
*Hemiteles*  
*Gnypetomorpha*  
*Hedylus*  
*Sternocryptus*  
*Endasys*  
*Eriplanus*  
*Phygadeuon*  
*Iselix*  
*Caenomeris*  
*Stilpnus*  
*Mesoleptus*  
*Atractodes*

## Aptesini

*Cubocephalus*  
*Aptesis*  
*Megaplectes*

*Schenkia*

*Giraudia*

*Polytribax*

*Rhembobius*

*Demopheles*

*Apsilops*

*Neostrecklandia*

## Sphecophagini

*Sphecophaga*

## Cryptini

*Trychosis*

*Gambrus*

*Agrothereutes*

*Ischnus*

*Chromocryptus*

*Lymeon*

*Acerastes*

*Polistiphaga*

*Christolia*

*Compsocryptus*

*Cryptus*

*Pycnocryptus*

*Listrognathus*

*Mesostenus*

*Derocentrus*

*Cryptanura*

*Polycyrtus*

*Xylophrurus*

*Echthrus*

*Agonocryptus*

*Mallochia*

*Cryptohelcostizus*

*Helcostizus*

*Messatoporus*

*Polycyrtidea*

*Joppidium*

*Acroricnus*

## PHAEOGENINAE

|                         |                        |
|-------------------------|------------------------|
| Phaeogenini             | <i>Plagiotrypes</i>    |
| <i>Phaeogenes</i>       | <i>Melanichneumon</i>  |
| <i>Diadromus</i>        | <i>Cratichneumon</i>   |
| <i>Rhexidermus</i>      | <i>Aoplus</i>          |
| <i>Centeterus</i>       | <i>Patroclus</i>       |
| <i>Colpognathus</i>     | <i>Anisopygus</i>      |
| <i>Dicaelotus</i>       | <i>Exephanes</i>       |
| <i>Stenodontus</i>      | <i>Ectopimorpha</i>    |
| Platylabini             | <i>Chasmias</i>        |
| <i>Apaeleticus</i>      | <i>Pseudamblyteles</i> |
| <i>Cyclolabus</i>       | <i>Amblyteles</i>      |
| <i>Platylabus</i>       | <i>Spilichneumon</i>   |
| <i>Pristiceros</i>      | <i>Ctenichneumon</i>   |
| <i>Thaumatoteles</i>    | <i>Tricholabus</i>     |
| <i>Hypomecus</i>        | <i>Pterocormus</i>     |
| <i>Ectopius</i>         | Protichneumonini       |
| Listrodromini           | <i>Coelichneumon</i>   |
| <i>Anisobas</i>         | <i>Protichneumon</i>   |
| <i>Neotypus</i>         | <i>Amblyjoppa</i>      |
| Ischnojoppini           | Trogini                |
| <i>Trogomorpha</i>      | <i>Catadelphus</i>     |
| Acanthojoppini          | <i>Gnamptopelta</i>    |
| <i>Pseudoplatylabus</i> | <i>Callajoppa</i>      |
| Eurylabini              | <i>Tricyphus</i>       |
| <i>Probolus</i>         | <i>Conocalama</i>      |
| Amblytelini             | <i>Macrojoppa</i>      |
| <i>Hoplismenus</i>      | <i>Trogus</i>          |

## LISSONOTINAE

|                     |                     |
|---------------------|---------------------|
| Glyptini            | <i>Trevoria</i>     |
| <i>Glypta</i>       | <i>Cryptopimpla</i> |
| Lissonotini         | <i>Asphragis</i>    |
| <i>Amersibia</i>    | <i>Syzeuctus</i>    |
| <i>Arenetra</i>     | Banchini            |
| <i>Lampronota</i>   | <i>Exetastes</i>    |
| <i>Asymmictus</i>   | <i>Agathilla</i>    |
| <i>Lissonota</i>    | <i>Ceratogastra</i> |
| <i>Pimplopterus</i> | <i>Banchus</i>      |

## MESOLEIINAE

|                   |                     |
|-------------------|---------------------|
| Scolobatini       | <i>Trematopygus</i> |
| <i>Scolobates</i> | <i>Oocenteter</i>   |
| Eucerosini        | <i>Rhorus</i>       |
| <i>Euceros</i>    | <i>Pion</i>         |
| io nini           |                     |

|                     |                      |
|---------------------|----------------------|
| Ctenopelmatini      | <i>Mesoleius</i>     |
| <i>Ctenopelma</i>   | <i>Lamachus</i>      |
| <i>Xenoschesis</i>  | <i>Saotis</i>        |
| <i>Homaspis</i>     | Euryproctini         |
| <i>Notopygus</i>    | <i>Synomelix</i>     |
| Mesoleiini          | <i>Dialges</i>       |
| (Perilissina)       | <i>Mesoleptidea</i>  |
| <i>Opheltes</i>     | <i>Polyterus</i>     |
| <i>Perilissus</i>   | <i>Syndipnus</i>     |
| <i>Absyrtus</i>     | <i>Hypamblys</i>     |
| <i>Labrossyta</i>   | <i>Troctonus</i>     |
| <i>Laphyrosopus</i> | <i>Hyperallus</i>    |
| <i>Lathrolestes</i> | <i>Anisotacrus</i>   |
| <i>Synoecetes</i>   | <i>Hadrodactylus</i> |
| <i>Gnesia</i>       | <i>Euryproctus</i>   |
| (Mesoleiina)        | Callidiotini         |
| <i>Protarchus</i>   | <i>Callidiotes</i>   |
| <i>Himerta</i>      |                      |

PLECTISCINAE

|                    |                      |
|--------------------|----------------------|
| <i>Allomacrus</i>  | <i>Helictes</i>      |
| <i>Cylloceria</i>  | <i>Aniseres</i>      |
| <i>Blapticus</i>   | <i>Proclitus</i>     |
| <i>Calastenus</i>  | <i>Plectiscidea</i>  |
| <i>Dallatorrea</i> | <i>Pantisarthrus</i> |
| <i>Symplecis</i>   | <i>Aperileptus</i>   |
| <i>Eusterinx</i>   | <i>Microleptes</i>   |
| <i>Megastylus</i>  | <i>Hyperacmus</i>    |

ORTHOCENTRINAE

|                     |                    |
|---------------------|--------------------|
| <i>Orthocentrus</i> | <i>Mnesidacus</i>  |
| <i>Picrostigeus</i> | <i>Stenomacrus</i> |
| <i>Neurateles</i>   | <i>Leipaulus</i>   |

DIPLAZONINAE

|                   |                     |
|-------------------|---------------------|
| <i>Diplazon</i>   | <i>Syrphoctonus</i> |
| <i>Zootrephus</i> | <i>Phthorima</i>    |
| <i>Promethes</i>  | <i>Enizemum</i>     |

METOPINIINAE

|                       |                     |
|-----------------------|---------------------|
| <i>Metopius</i>       | <i>Colpotrochia</i> |
| <i>Pseudometopius</i> | <i>Triclistus</i>   |
| <i>Chorinaeus</i>     | <i>Hypsicera</i>    |
| <i>Spudaeus</i>       | <i>Exochus</i>      |
| <i>Periope</i>        |                     |

## OPHIONINAE

|                         |                          |
|-------------------------|--------------------------|
| Campoplegini            | <i>Areolopristomerus</i> |
| <i>Pyracmon</i>         | <i>Eiphosoma</i>         |
| <i>Nemeritis</i>        | Tersilochini             |
| <i>Cymodusa</i>         | <i>Leptopygus</i>        |
| <i>Cymodusopsis</i>     | <i>Cratophion</i>        |
| <i>Campoplex</i>        | <i>Barycnemis</i>        |
| <i>Nythobia</i>         | <i>Tersilochus</i>       |
| <i>Idechthis</i>        | <i>Heterocola</i>        |
| <i>Casinaria</i>        | Unplaced species         |
| <i>Zastenomorpha</i>    | Anomalini                |
| <i>Fiebrigia</i>        | (Anomalina)              |
| <i>Zacharops</i>        | <i>Anomalon</i>          |
| <i>Bathyplectes</i>     | <i>Neogreeneia</i>       |
| <i>Biolysia</i>         | (Ophionellina)           |
| <i>Campoletis</i>       | <i>Ophionellus</i>       |
| <i>Ecphoropsis</i>      | (Ophiopterina)           |
| <i>Spudastica</i>       | <i>Ophiopterus</i>       |
| <i>Campoplegidea</i>    | (Aphanistina)            |
| <i>Nepiera</i>          | <i>Trichomma</i>         |
| <i>Phobocampe</i>       | <i>Aphanistes</i>        |
| <i>Horogenes</i>        | <i>Erigorgus</i>         |
| <i>Hyposoter</i>        | <i>Labrorychus</i>       |
| <i>Campoctonus</i>      | <i>Atrometus</i>         |
| <i>Olesicampe</i>       | Unplaced species         |
| <i>Benjaminia</i>       | (Therionina)             |
| <i>Charopsimorpha</i>   | <i>Therion</i>           |
| Cremastini              | <i>Heteropelma</i>       |
| <i>Dimophora</i>        | Ophionini                |
| <i>Pristomerus</i>      | <i>Ophion</i>            |
| <i>Zaleptopygus</i>     | <i>Enicospilus</i>       |
| <i>Pseuderipternus</i>  | <i>Rhynchophion</i>      |
| <i>Dolichopselephus</i> | <i>Thyreodon</i>         |
| <i>Cremastus</i>        |                          |

## MESOCHORINAE

|                    |                   |
|--------------------|-------------------|
| <i>Cidaphus</i>    | <i>Mesochorus</i> |
| <i>Astiphromma</i> |                   |

## UNPLACED GENERA

|                     |                   |
|---------------------|-------------------|
| <i>Brachycyrtus</i> | <i>Orthopelma</i> |
| <i>Neorhacodes</i>  | <i>Phrudus</i>    |

## UNPLACED SPECIES

## NOMINA NUDA



SYSTEMATICALLY ARRANGED CATALOGUE OF THE  
NEARCTIC SPECIES

Subfamily 1. ICHNEUMONINAE

Tribe 1. ICHNEUMONINI

**SCAMBUS** Hartig

*Scambus* Hartig, Jahrsb. Fortschr. Forst., 1838, 1: 267.

Genotype: *Pimpla* (*Scambus*) *sagax* Hartig.

*Tromera* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: *Pimpla pomorum* Ratzeburg.

*Epiurus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Preoccupied by Rafinesque, 1815.

Genotype: *Pimpla brevicornis* Gravenhorst.

*Troctocerus* Woldstedt, Ueber Eine Samml. Schles. Ichneum., 1876, p. 696.

Genotype: *Troctocerus elegans* Woldstedt.

*Ateleophadnus* Cameron, Invert. Pacifica, 1905, 1: 127. New Synonymy.

Genotype: (*Ateleophadnus bicarinata* Cameron) = *pterophori* Ashmead.

*Pseudopoemenia* Kiss, Verh. Mitt. Siebenb. Ver. Naturw., 1924, 72-74: 91.

Genotype: (*Pseudopoemenia annulata* Kiss) = *calobata* Gravenhorst.

*Endromopoda* Hellén, Notul. Ent., 1939, 19: 56. New Synonymy.

Genotype: *Pimpla melanopyga* Gravenhorst.

**Scambus alboricta** (Cresson) \*

*Pimpla alboricta* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♂. [key, o.d., Del. (A.N.S.P.), Pa.]

*Pimpla investigatrix* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 142. ♀. [o.d., ?Ill. (Type destroyed)]

*Pimpla alboricta* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 143. ♂. [des.]

*Pimpla alboricta* Provancher, Nat. Canad., 1880, 12: 39. (Faune, p. 460.) ♂, ♀. [key, des., Que.]

*Pimpla alboricta* Weed, Psyche, 1888, 5: 52. [host f]

*Pimpla alboricta* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Pimpla alboricta* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Pimpla investigatrix* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Epiurus alborictus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 84. [key, United States]

*Scambus* (*Iseropus*) *inquisitoriellus* var. *investigator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321. [key, Conn.]

*Scambus* (*Tromatobia*?) *alborictus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]

*Iseropus alboricta* Webster, Bull. Ia. Agr. Exp. Sta., 1918, 179: 256. [host c, Ia.]

\* See footnote on page 9.

- Epiurus alborictus* Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *b*, N.Y.]  
*Epiurus alboricta* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]  
*Epiurus alborictus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]  
*Epiurus alboricta* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]  
*Scambus (Epiurus) alborictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *a b d e*, N.Y.]  
*Epiurus alborictus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Epiurus alborictus* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]  
*Epiurus alborictus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts & Letters, 1939, 16: 61. [Ut.]  
*Scambus alborictus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

TORTRICIDAE: *a*, *Archips argyrospila*; *b*, *Argyrotaenia pinatubana*. OLETHREUTIDAE: *c*, *Ancyliis comptana*; *d*, *Episimus argutanus*. PHALAENIDAE: *e*, *Zotheca tranquilla*. Miscellaneous: *f*, lepidopterous leaf roller on *Platanus occidentalis*.

**Scambus aplopappi** (Ashmead) new combination

- Pimpla aplopappi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 446. ♂. [o.d., host *c*, Los Angeles, Calif. (U.S.N.M.)]  
*Epiurus aplopappi* Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host *a*, Neb.]  
*Epiurus aplopappi* Lange, Bull. So. Cal. Acad. Sci., 1937, 36: 29. [host *b*, Calif.]

OLETHREUTIDAE: *a*, *Rhyacionia frustana bushnelli*; *b*, *Rhyacionia pasadenana*. Miscellaneous: *c*, lepidopterous gall on *Haplopappus squarrosus*.

**Scambus atrocoxalis** (Ashmead) new combination

- Epiurus atrocoxalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]  
*Epiurus atrocoxalis* Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

TORTRICIDAE: *a*, *Archips fumiferana*.

**Scambus detritus** (Holmgren) new combination

- Pimpla detrita* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2, no. 10: 23. ♂, ♀. [o.d., numerous localities in Sweden (? Stockholm Mus.)].  
*Epiurus detritus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 87. [key, syn., Europe, western Canada (in part).]

**Scambus ephialtoides** Cushman

- Scambus ephialtoides* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 466. ♂, ♀. [o.d., host *a*, Coletsin, Ore. (U.S.N.M.), Calif., Mont.]  
 OLETHREUTIDAE: *a*, *Barbara colfaxiana siskiyouana*.

**Scambus euurae** (Ashmead) new combination

- Pimpla euurae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♀. [o.d., host *b*, Calif. (U.S.N.M.)]  
*Pimpla euurae* Marlatt, Proc. Ent. Soc. Wash., 1894, 3: 264. [host *b*]  
*Epiurus euurae* Essig, Insects of Western N. Amer., 1926, p. 796. [des., host *a*, Calif.]

*Epiurus euurae* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host *c*, Me.]

TENTHREDINIDAE: a, *Nematus californicus*; b, *Nematus pyriformis*. Miscellaneous: c, sawfly leaf gall on *Salix* sp.

**Scambus evetriverus** Rohwer

*Scambus evetriverus* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 225. ♀. [o.d., host *a*, Fort Bayard, N.M. (U.S.N.M.)]

OLETHREUTIDAE: a, *Rhyacionia frustrana bushnelli*.

**Scambus hirticauda** (Provancher)

*Pimpla hirticauda* Provancher, Addit. Faune Canada, Hymén., 1886, p. 116.

♀. [o.d., "Ottawa, Ont." [more probably from southern Calif.] (M.P.Q.)]  
*Scambus hirticauda* Townes, Ann. Ent. Soc. Amer., 1940, 33: 323. [syn., des.]

**Scambus hispae** (Harris) new combination

*Ichneumon Hispae* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.  
[Mass.] Nomen nudum.

*Ichneumon hispae* Harris, Jour. Boston Soc. Nat. Hist., 1835, 1: 149-150. ♀.  
[o.d., biol., host *a b*, ?Mass. (M.C.Z.)]

*Cryptus hispae* Harris, Rpt. Geol. Min. Bot. Zool. Mass., ed. 2, 1835, p. 584.  
[syn.]

*Pimpla indagatrix* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., Ill. (A.N.S.P.), Pa.] New synonymy.

*Pimpla indagatrix* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]

*Pimpla indagatrix* Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host *cc*]

*Pimpla?* *indagatrix* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 141. ♂.  
[des.]

*Pimpla indagatrix* Provancher, Nat. Cand., 1880, 12: 39; (Faune, p. 460). ♂,  
♀. [key, des., Que.]

*Pimpla indagatrix* Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

*Pimpla minuta* Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 41. ♂. [o.d., host *s*, Urbana, Ill. (I.N.H.S.)] New synonymy.

*Pimpla gossypii* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., host *u*, Selma, Ala. (U.S.N.M.)] New synonymy.

*Pimpla indagatrix* Riley and Howard, Insect Life, 1891, 3: 461. [host *d r*, D.C., Mo.]

*Pimpla indagatrix* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Pimpla indagatrix* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *v ff*, N.H.]

*Pimpla indagatrix* Slosson, Entom. News, 1900, 11: 320. [N.H.]

*Pimpla indagatrix* Weed and Newell, Bull. U. S. Dept. Agr., Div. Ent., 1902, 31: 89. [Ohio]

*Pimpla indagatrix* Nason, Entom. News, 1905, 16: 171. [Ill.]

- Pimpla (Epiurus) nigrifrons* Viereck, Proc. Ent. Soc. Wash., 1909, 11: 211.  
♂, ♀. [o.d., no locality given (U.S.N.M.)] New synonymy.
- Epiurus indagator* (!) var. *nigrifrons* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *z*, Pa.]
- Epiurus innominatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. ♀.  
[o.d., host *p*, Esquimault, B.C. (U.S.N.M.)] New synonymy.
- Epiurus indigator* (!) Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102.  
[host *o*]
- Epiurus detritus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 87. [key, syn., Europe, western Canada (in part)]
- Scambus (Eremochila) indagator* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key, syn.]
- Scambus indagator* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]
- Eremochila indagator* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]
- Epiurus indagator* (!) Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *k*, Mich.]
- Scambus indagatrix* Payne, Proc. Ent. Soc. N. Scot., 1918, 3: 60, 67. [host *ii jj*]
- Epiurus indagator* (!) Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *q*, N.Y.]
- Epiurus indagator* (!) Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host *r*, Mo.]
- Scambus indigator* (!) Champlain, Psyche, 1922, 29: 97. [host *ee*, Pa.]
- Epiurus indagator* (!) Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host *i*, Conn.]
- Epiurus indagator* (!) Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *x*, Ark.]
- Epiurus indagator* (!) Newcomer and Whitcomb, Bull. U. S. Dept. Agr., 1924, 1235: 72. [host *x*, Wash.]
- Epiurus indagator* (!) Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *r*, Pa.]
- Epiurus indagator* (!) Schott, Jour. N. Y. Ent. Soc., 1925, 33: 54. [host *i*, N.J.]
- Epiurus indagator* (!) Baldus, Canad. Ent., 1926, 58: 140. [biol., host *mm*, Ill.]
- Epiurus indagator* (!) Stearns, Ann. Rpt. N. J. Agr. Exp. Sta., 1927, 47: 191.  
[host *y*, N.J.]
- Epiurus indagator* (!) Cushman, Jour. Agr. Res., 1927, 34: 616. [biol., host *bb*, Va.]
- Epiurus nigrifrons* Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N. Y.]
- Epiurus indagator* (!) Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N. Y.]
- Epiurus indagator* (!) Poos, Proc. Ent. Soc. Wash., 1928, 30: 147. [host *l m*, Va.]
- Scambus (Epiurus) nigrifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *ii*, N.Y.]
- Scambus (Epiurus) indagator* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *h i j q x z cc dd ee*, N.Y.]

- Epiurus indagator* (!) McConnell, Bull. Md. Agr. Exp. Sta., 1928, 298: 180. [biol., host y, Md.]
- Epiurus indagator* (!) Haeussler, Jour. Agr. Res., 1930, 41: 366. [host y, N.J.]
- Epiurus indagator* (!) Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host i, N.S.]
- Epiurus indagator* (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
- Epiurus innominatus* Mathers, Forestry Chron., 1932, 8: 156. [host p, B.C.]
- Epiurus indagator* (!) Knull, Jour. Econ. Ent., 1932, 25: 1201. [host o]
- Epiurus indagator* (!) McConnell, Jour. Econ. Ent., 1932, 25: 368. [host y, Md.]
- Epiurus indagator* (!) Fink, Jour. Agr. Res., 1932, 44: 555. [host w, N.J.]
- Epiurus indagator* (!) Schedl, Canad. Ent., 1932, 64: 2. [host t, N.S.]
- Epiurus indagator* (!) Plumb and Friend, Bull. Conn. Agr. Exp. Sta., 1933, 347: 100. [host hh, Conn.]
- Epiurus indagator* (!) Merritt, Jour. Econ. Ent., 1933, 26: 790. [host y, Mich.]
- Epiurus indagator* (!) Daniel, Cox, and Crawford, Bull. N. Y. Agr. Exp. Sta., 1933, 635: 16. [host y, N.Y.]
- Epiurus indagator* (!) Friend and West, Bull. Yale Univ. School Forestry, 1933, 37: 51. [host aa, Conn.]
- Epiurus nigrifrons* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host ii, kk, N.H., N.J.]
- Epiurus indagator* (!) Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71. [host y, Ont.]
- Scambus (Epiurus) indagator* (!) Donner, Ann. Ent. Soc. Amer., 1936, 29: 226. [host f, Wis.]
- Epiurus indagator* (!) Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host y, Ohio]
- Epiurus indagator* (!) Pierson and Brown, Bull. Me. Forest Serv. & Me. Hardwood Assoc., 1936, 11: 28. [host ll, Me.]
- Scambus (Epiurus) indagator* (!) Doner, Summ. Doctoral Diss. Univ. Wis., 1937, 1: 28. [host f, Wis.]
- Epiurus indagator* (!) Balduf, Proc. Ent. Soc. Wash., 1937, 39: 178. [biol., host a, Ill.]
- Epiurus indagator* (!) Summerland, Trans. Kans. Acad. Sci., 1938, 40: 165. [host w, Kans.]
- Epiurus indagator* (!) Bedard, Canad. Ent., 1938, 70: 194. [Ida.]
- Epiurus indagator* (!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host g n gg, Me.]
- Epiurus indagator* (!) Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host e, W.Va.]
- Epiurus indagator* (!) Steiner and Worthley, Bull. Pa. State Col. Agr. Exp. Sta., 1941, 406: 12. [host e, Pa.]

CHRYSMELIDAE: a, *Anoplitis inaequalis*; b, ?*Anoplitis rosea*. PSYCHIDAE: c, *Thyridopteryx ephemeraeformis*. COLEOPHORIDAE: d, ?*Coleophora cinerella*; e, *Coleophora mali-vorella*; f, *Coleophora pruniella*; g, *Coleophora salmani*; h, *Coleophora* sp. on wild cherry. GLYPHIPTERYGIDAE: i, *Anthophila pariana*. GELECHIIDAE: j, *Dichomeris ligulella*; k,

*Filatima persicaeella*; l, *Gnorimoschema operculella*; m, *Keiferia glochinella*; n, *Recurvaria thujaella*. TORTRICIDAE: o, *Archips argyrosipila*; p, *Archips fumiferana*; q, *Argyrotaenia pinatubana*; r, *Argyrotaenia velutinana*; s, *Peronea minuta*; t, *Peronea variana*; u, tortricid on fruit of *Gossypium hirsutum*; v, tortricid on *Myrica asplenifolia*. OLETHREUTIDAE: w, *Ancylis comptana*; x, *Carpocapsa pomonella*; y, *Grapholitha molesta*; z, *Polychrosis viteana*; aa, *Rhyacionia buoliana*; bb, *Rhyacionia frustrana*. PHYCITIDAE: cc, *Acrobasis juglandis*; dd, *Acrobasis* sp.; ee, *Mineola indiginella*. PYRALIDIDAE: ff, pyralidid? on *Betula alba*. PYRAUSTIDAE: gg, *Dicymolomia julianalis*. GEOMETRIDAE: hh, *Ennomos subsignarius*. LYMANTRIIDAE: ii, *Hemerocampa leucostigma*; jj, *Notolophus antiquus*. ARCTIIDAE: kk, *Halisidota tessellaris*. TENTHREDINIDAE: ll, *Phyllotoma nemorata*. CYNIPIDAE: mm, *Disholcaspis mamma*.

**Scambus lithocolletidis** (Ashmead) new combination

*Pimpla lithocolletidis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♂. [o.d., host a, Alameda, Calif. (U.S.N.M.)]

GRACILARIIDAE: a, "*Lithocolletis*" sp. on *Grindelia robusta*.

**Scambus pterophori** (Ashmead)

*Pimpla pterelas* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 133. ♀. [des.] Misdetermined.

*Pimpla pterelas* Provancher, Nat. Canad., 1873, 5: 452. [key, des., Que.] Misdetermined.

*Pimpla pterelas* Provancher, Nat. Canad., 1880, 12: 41; (Faune, p. 462). [key des.] Misdetermined.

*Pimpla pterophori* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., host o, Los Angeles, Calif. (U.S.N.M.)]

*Pimpla pterelas* Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 69. [host a] Misdetermined.

*Pimpla pterelas* Riley and Howard, Insect Life, 1891, 3: 461. [host b i, D.C., Tex.] Misdetermined.

*Pimpla pterelis* (!) Fyles, Canad. Ent., 1892, 24: 35. [host c] Misdetermined.

*Pimpla pterelis* (!) Beach, Bull. Ia. Agr. Coll., Dept. Ent., 1892, 4: 16. [Ia.] Misdetermined.

*Pimpla pterelas* Hamilton, Ent. News, 1894, 5: 288. [biol., host a, Ont.] Misdetermined.

*Colpomeria litoralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d., Mich. (A.N.S.P.), Canada, N.Y.]

*Epiurus bicoloripes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♀. [key, o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.

*Ateleophadnus bicarinata* Cameron, Invert. Pacifica, 1903, 1: 128. ♀. [o.d., Ormsby Co., Nev. (B.M.)] New synonymy.

*Pimpla pterelas* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 88. [N.M.] Misdetermined.

*Pimpla pterelas* Nason, Ent. News, 1905, 16: 171. [Ill.] Misdetermined.

*Pimpla pteralis* (!) Brodie, Ann. Rpt. Ent. Soc. Ont., 1907, 37: 5. [host g] Misdetermined.

- Tromatobia arundinator* Roman, Ent. Tidskr., 1910, 31: 195. [des., Ill.]  
Misetermined.
- Epiurus pterelas* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 86. ♂, ♀,  
[key, des., Me.] Misetermined.
- Pimpla pterelas* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57 [Que.] Mis-  
etermined.
- Epiurus pterophorae* (!) Newcomer, Bull. U. S. Dept. Agr., 1916, 265: 33.  
[host *r*, Wash.]
- Scambus* (*Scambus*) *pterelas* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 320. [key, Conn.] Misetermined.
- Epiurus pterophori* Vinal and Caffrey, Bull. Mass. Agr. Exp. Sta., 1919, 189:  
58. [biol., host *p*, Mass.]
- Epiurus pterophori* Dickerson and Weiss, Jour. N. Y. Ent. Soc., 1920, 28: 47.  
[host *e*, N.J.]
- Epiurus pterophori* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 18. [syn.]
- Scambus pterelas* Leiby, Jour. N. Y. Ent. Soc., 1922, 30: 93. [biol., host *b*,  
N.Y.] Misetermined.
- Epiurus pterophori* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
- Scambus* (*Epiurus*) *pterophori* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Epiurus pterophori* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]
- Epiurus pterophori* Wilder, Psyche, 1927, 34: 227-229. [fig., biol., host *b c d e p*,  
N.Y.]
- Epiurus* (!) *pterophori* Drake and Decker, Cir. Ia. Agr. Exp. Sta., 1927, 103: 16.  
[host *p*, Ia.]
- Scambus pterelas* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]  
Misetermined.
- Epiurus pterophori* Myers, Jour. N. Y. Ent. Soc., 1927, 35: 244. [host *e*, N.Y.]
- Epiurus pterophori* Viereck, Bull. N. Y. State Mus., 1928, 274: 187. [N.Y.]
- Scambus* (*Epiurus*) *pterophori* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 942. [host *a b c d e i p*, N.Y.]
- Epiurus pterophori* Baldus, Ohio Jour. Sci., 1929, 29: 224-226. [biol., host *q*,  
Ohio.]
- Scambus* (*Epiurus*) *bicoloripes* Johnson, Pub. Nantucket Maria Mitchell Ass.,  
1930, 3, no. 2: 102. [Mass.]
- Scambus* (*Epiurus*) *pterophori* Johnson, Pub. Nantucket Maria Mitchell Ass.,  
1930, 3, no. 2: 102. [Mass.]
- Epiurus pterophori* Decker, Jour. N. Y. Ent. Soc., 1932, 40: 509. [host *h*.]
- Epiurus pterophori* Putman, Canad. Ent., 1935, 67: 106, 107. [host *e h j l*, Ont.]
- Scambus pterophori* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [Me.]
- Epiurus pterophori* Putman, Canad. Ent., 1938, 70: 90. [host *j*, Ont.]
- Scambus pterelas* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *k*,  
Conn.] Misetermined.
- Epiurus bicoloripes* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts &  
Letters, 1939, 16: 61. [host *f*, Ut.]

*Epiurus pterophori* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts & Letters, 1939, 16: 61. [host *f*, Ut.]

*Scambus (Epiurus) pterophori* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig., ♂ genitalia]

*Epiurus bicoloripes* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 23, 67. [des., fig., biol., host *m n*, Calif.]

CURCULIONIDAE: *a*, *Mononychus vulpeculus*. GELECHIIDAE: *b*, *Gnorimoschema gal-laesolidaginis*; *c*, *Gnorimoschema gallaeasteriella*. COSMOPTERYGIDAE: *d*, *Stigmatophora ceanothiella*. MOMPIDAE: *e*, *Cyphophora eloisella*. OLETHREUTIDAE: *f*, *Ancyliis comp-tana*; *g*, *Carpocapsa pomonella*; *h*, *Epiblema otiosana*; *i*, *Epiblema scudderiana*; *j*, *Epiblema strenuana*; *k*, *Grapholitha molesta*; *l*, *Proteoteras aesculana*. PTEROPHORIDAE: *m*, *Platy-ptilia carduidactyla*; *n*, *Platyptilia williamsii*; *o*, "*Pterophorus*" sp. in stems of *Baccharis pilularis*. PYRAUSTIDAE: *p*, *Pyrausta nubilalis*. PHALAENIDAE: *q*, *Achatodes zeae*. TENTHREDINIDAE: *r*, *Ametastegia glabrata*.

### **Scambus tecumseh** Viereck

*Scambus (Scambus) tecumseh* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 320. ♀. [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)]

*Scambus (Epiurus) tecumseh* Champlain, Psyche, 1922, 29: 97. [host *a*, Pa.]

*Scambus (Epiurus) tecumseh*, Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Scambus (Epiurus) tecumseh* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.]

*Scambus tecumseh* Brimley, Insects of N. C., 1938, p. 411. [N.C.]

PYRAUSTIDAE: *a*, *Dicymolomia julianalis*.

### **Scambus transgressus** (Holmgren) new combination

*Pimpla transgressa* Holmgren, Eugenes Resa Ins., 1868, p. 405. ♀. [o.d., Calif. (?Stockholm Mus.)]

*Epiurus transgressus* Roman, Ent. Tidskr., 1910, 31: 160. [des.]

## **ALOPHOSTERNUM** Cushman

*Alophosternum* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 7.

Genotype: *Alophosternum foliicola* Cushman.

### **Alophosternum foliicola** Cushman

*Alophosternum foliicola* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 8. ♂, ♀. [o.d., host *a c*, Ashburnham, Mass. (U.S.N.M.), Me.]

*Alophosternum foliicola* Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *c*, Me.]

*Alophosternum foliicola* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 409. [host *b c*, Me.]

ADELIDAE: *a*, *Paraclemensia* sp. GRACILARIIDAE: *b*, *Cameraria coryliella*. TENTHREDINIDAE: *c*, *Phyllotoma nemorata*.



**CALLIEPHIALTES** Ashmead

*Calliephialtes* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 54.

Genotype: (*Pimpla xanthothorax* Ashmead) = *grapholithae* Cresson.

**Calliephialtes comstockii** (Cresson)

*Ephialtes comstockii* Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 235.

♀. [o.d., host *d*, Ithaca, N.Y. (U.S.N.M.)]

*Calliephialtes comstocki* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

*Ichneumon (Calliephialtes) comstocki* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key, des.]

*Calliephialtes comstockii* Houser, Bull. Ohio Agr. Exp. Sta., 1918, 332: 325. [host *a*, Ohio]

*Ichneumon comstocki* Champlain, Psyche, 1922, 29: 98. [host *d*, Pa.]

*Calliephialtes comstockii* Cushman, Jour. Agr. Res., 1927, 34: 616. [biol., host *f*, Va.]

*Ichneumon (Calliephialtes) comstockii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *c d e f*, N.Y.]

*Calliephialtes comstocki* Barnes, Internatl. Cong. Ent. Ithaca, N.Y., 1928, 4: 413. [host *a*]

*Calliephialtes comstockii* Taylor, Ent. Amer., 1929, 10: 36. [host *a b h*, Conn., Mass., N.H., N.Y.]

*Ichneumon (Calliephialtes) comstockii* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

*Calliephialtes comstockii* MacAloney, Bull. N.Y. State Col. Forestry, 1930, 3, no. 1 (Tech. Pub. no. 28): 50. [host *a*]

*Calliephialtes comstocki* Friend and West, Bull. Yale Univ. School Forestry, 1933, 37: 51. [host *e*, Conn.]

*Calliephialtes comstocki* Friend, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 52. [host *e*, Conn.]

*Calliephialtes comstocki* Friend and Hicock, Jour. Econ. Ent., 1936, 29: 213. [host *e*, Conn.]

*Calliephialtes comstocki* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [host *c*, Me.]

*Ichneumon comstocki* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

*Calliephialtes comstockii* Bedard, Canad. Ent., 1938, 70: 195. [Ida.]

*Calliephialtes comstockii* Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *e*, B.C.]

CURCULIONIDAE: *a*, *Pissodes strobi*; *b*, curculionid. OLETHREUTIDAE: *c*, *Barbara colfaxiana taxifoliella*; *d*, *Petrova comstockiana*; *e*, *Rhyacionia buoliana*; *f*, *Rhyacionia frustrana*. PHYCITIDAE: *g*, *Dioryctria zimmermani*; *h*, *Dioryctria* sp.

**Calliephialtes dolichosoma** (Viereck) new combination

*Ephialtes dolichosoma* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 637. ♀. [o.d., Tryon, N.C. (U.S.N.M.)]

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**Calliephialtes grapholithae** (Cresson)

- Pimpla grapholithae* Cresson, Ent. News, 1890, 1: 50. ♂, ♀. [o.d., host *d*, Mo. (A.N.S.P.)]
- Pimpla xanthothorax* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 446. ♀. [o.d., host *h*, Kirkwood, Mo. (U.S.N.M.)]
- Pimpla grapholithae* Hamilton, Ent. News, 1890, 1: 49. [biol., host *d*]
- Calliephialtes xanthothorax*, Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 54. [syn.]
- Calliephialtes xanthothorax* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 13. [key, des.]
- Calliephialtes grapholithae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 133. [syn.]
- Scambus* (*Calliephialtes*) *grapholithae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key, host *d*]
- Calliephialtes grapholithae* Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *e*, Fla.]
- Calliephialtes grapholithae* Worsham, Bull. Ga. State Bd. Ent., 1917, 48: 25. [host *d*, Ga.]
- Calliephialtes grapholithae* Gill, Bull. U. S. Dept. Agr., 1925, 1303: 11. [host *f*, Fla.]
- Scambus grapholithae* Leiby, Bull. N. C. Dept. Agr., Feb. 1925, p. 9. [host *e*]
- Calliephialtes grapholithae* Bottimer, Jour. Agr. Res., 1926, 33: 803. [host *g*, Tex.]
- Calliephialtes grapholithae* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *c*, N.J.]
- Ichneumon* (*Calliephialtes*) *grapholithae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *d f h*, N.Y.]
- Calliephialtes grapholithae* Haeussler, Jour. Agr. Res., 1930, 41: 366, 376. [host *c*, N.J., Pa.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59. [host *c*, Ont.]
- Calliephialtes grapholithae* (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67. [biol., host *c*, Ont.]
- Calliephialtes grapholithae* Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *c*, N.Y.]
- Calliephialtes grapholithae* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *c*, Mich.]
- Calliephialtes grapholithae* Putman, Canad. Ent., 1935, 67: 107. [host *d*, Ont.]
- Calliephialtes grapholithae* Putman, Canad. Ent., 1935, 67: 48. [host *d*, Ont.]
- Calliephialtes grapholithae* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *c*, Ont.]

- Calliephialtes grapholithae* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44.  
[host *b*, S.C.]  
*Calliephialtes grapholithae* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26.  
[host *c*, Ohio]  
*Ephialtes grapholithae* Peck, Canad. Jour. Res., 1937 D, 15: 248, 249, 252.  
[fig. ♂ genitalia]  
*Ichneumon grapholithae* Brimley, Insects of N.C., 1938, p. 411. [host ?*e*, N.C.]  
*Calliephialtes grapholithae* Webb and Alden, Jour. Econ. Ent., 1940, 33: 434.  
[host *a*]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Epiblema strenuana*; *c*, *Grapholitha molesta*; *d*, *Laspeyresia caryana*. PHYCITIDAE: *e*, *Acrobasis juglandis*; *f*, *Acrobasis* sp. THYRIDIDAE: *g*, *Meskea dyspteraria*. TENTHREDINIDAE: *h*, *Euura salicis-nodus*.

***Calliephialtes notandus* (Cresson)**

- Pimpla notanda* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♂, ♀. [key, o.d., Pa. (A.N.S.P.), Colo., N.J.]  
*Pimpla notanda* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]  
*Ephialtes notanda* Riley, Ann. Rpt. Insects Mo., 1877, 9: 98. [biol.]  
*Pimpla notanda* Weed, Psyche, 1888, 5: 51. [host *d*, Ohio]  
*Pimpla notanda* Riley and Howard, Insect Life, 1888, 1: 161. [host *g i*]  
*Pimpla notanda* Riley and Howard, Insect Life, 1891, 3: 462. [host *a c d h*, Calif., D.C., Md., Mo., N.J., Tex., Va.]  
*Pimpla notanda* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]  
*Pimpla notanda* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]  
*Exeristes notanda* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 26. [key, des., Tex.]  
*Scambus* (*Scambus*) *notandus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 320. [key, Conn.]  
*Calliephialtes notanda* Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host *d*, N.Y., N.C.]  
*Pimpla notanda* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]  
*Ichneumon* (*Calliephialtes*) *notandus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [host *b c d e*, N.Y.]  
*Pimpla notanda* Schopp, Jour. Kans. Ent. Soc., 1931, 4: 35. [Kans.]  
*Calliephialtes notandus* Montgomery, Canad. Ent., 1933, 65: 187. [host *d*, Ind.]  
*Calliephialtes notanda* Rice, Trans. Peninsula Hort. Soc., 1936, 25: 92. [host *f*, Del.]  
*Ichneumon notanda* Brimley, Insects of N.C., 1938, p. 411. [host *d*, N.C.]

PRODOXIDAE: *a*, ?*Prodoxus quinquepunctellus*. GELECHIIDAE: *b*, *Gnorimoschema baccharisella*; *c*, *Gnorimoschema gallaeasteriella*; *d*, *Gnorimoschema gallaesolidaginis*. MOMPHIDAE: *e*, *Walshia amorphella*. OLETHREUTIDAE: *f*, *Epiblema strenuana*; *g*, *Proteoteras aesculana*. PAPILIONIDAE: *h*, *Papilio troilus*. Miscellaneous: *i*, leaf roller on *Robinia pseudoacacia*.

**Calliephialtes nubilipennis** (Viereck)

*Exeristes nubilipennis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀.  
[o.d., host *b*, Columbia Falls, Mont. (U.S.N.M.)]

*Exeristes hyalinipennis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀.  
[o.d., host *b*, Columbia Falls, Mont. (U.S.N.M.)] New synonymy.

*Calliephialtes nubilipennis* Taylor, Ent. Amer., 1929, 10: 26-30, 68. [des., biol.,  
host *a*, Me., Mass., Mich., Pa.]

*Calliephialtes nubilipennis* MacAloney, Bull. N.Y. State Col. Forestry, 1930,  
vol. 3, no. 1 (Tech. Pub., no. 28): 50. [host *a*]

CURCULIONIDAE: *a*, *Pissodes strobi*; *b*, *Pissodes* sp.

**Calliephialtes nucicola** Cushman

*Calliephialtes nucicola* Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 5.  
♂, ♀. [o.d., host *a b*, Saticoy, Calif. (U.S.N.M.)]

*Calliephialtes nucicola* Barrett, Jour. Econ. Ent., 1932, 25: 1111. [biol.]

*Calliephialtes nucicola* Dohanian, Jour. Econ. Ent., 1940, 33: 855. [host *c*,  
Calif., Ore.]

MOMPHIDAE: *a*, *Walshia amorphella*. OLETHREUTIDAE: *b*, *Carpocapsa pomonella*;  
*c*, *Melissopus latiferreanus*.

**Calliephialtes petulca** (Cresson) new combination

*Pimpla petulca* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d.,  
Bosque Co., Tex. (A.N.S.P.)]

*Pimpla petulca* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Exeristes petulca* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 26. ♀. [key,  
des., Tex.]

**Calliephialtes thurberiae** Cushman

*Calliephialtes thurberiae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 132. ♂,  
♀. [o.d., host *a*, Santa Rita Mts., Ariz. (U.S.N.M.)]

CURCULIONIDAE: *a*, *Anthonomus grandis thurbiae*.

**Calliephialtes stultor** (Davis) new combination

*Pimpla stultor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d.,  
Toronto, Ont. (A.N.S.P.)]

**Calliephialtes variatipes** (Provancher) new combination

*Ephialtes variatipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 114.  
♂. [o.d., Ottawa, Ont. (C.N.C.)]

*Ephialtes macer* Davis, Canad. Ent., 1895, 27: 290. [syn. (in part)]

*Ephialtes variatipes* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.,  
Ont.]

*Calliephialtes benefactor* Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 6.  
♂, ♀. [o.d., host *a*, Burlington, N.J. (U.S.N.M.), Pa.] New synonymy \*

\* This synonymy is based on a comparison made with the type of *variatiipes* by Mr.  
G. S. Walley.

*Calliephialtes benefactor* McConnell, Jour. Econ. Ent., 1932, 25: 368. [host *a*, Md.]

*Calliephialtes benefactor* Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *a*, N.Y.]

*Calliephialtes benefactor* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *a*, Md.]

*Ichneumon variatipes* Walley, Canad. Ent., 1937, 69: 116. [syn.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

### ICHNEUMON Linnaeus

*Ichneumon* Linnaeus, System. Nat., Ed. 10, 1758, p. 343, 560.

Genotype: (*Pimpla manifestator* Fabricius) = *manifestator* Linnaeus.

*Ephialtes* of authors, not of Schrank

*Pimpla* Fabricius, System. Piez., 1804, p. 112.

Genotype: *Ichneumon manifestator* Linnaeus.

*Closterocerus* Hartig, Ber. Naturw. Ver. Harz., (1846) 1847, p. 18. Preoccupied by Westwood 1833. New synonymy.

Genotype: *Closterocerus sericeus* Hartig

*Diclostercerus* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 45. New name for *Closterocerus* Hartig.

*Exeristoidea* Viereck, Canad. Ent., 1924, 56: 202.

Genotype: (*Ichneumon (Exeristoidea) watsoni* Viereck) = *cephalotes* Holmgren.

#### *Ichneumon brevis* (Morley) new combination

*Ephialtes brevis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 23. ♀. [key, o.d., District of Hudson Bay (B.M.)]

#### *Ichneumon cephalotes* (Holmgren) new combination

*Ephialtes cephalotes* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2 no. 10: 13. ♀. [o.d., "in Ostrogothia ad Gusum," Sweden (Stockholm Mus.)]

*Ichneumon (Exeristoidea) watsoni* Viereck, Canad. Ent., 1924, 56: 202. ♀. [o.d., Aylmer, Que. (C.N.C.)]

*Ephialtes cephalotes* Roman, Ent. Tidskr., 1938, 59: 35. [syn., des., Canada, Sweden (reference not seen)]

#### *Ichneumon gigas* (Walsh) new combination

*Ephialtes gigas* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 110. ♀. [o.d., ?Ill. (type destroyed)]

*Ephialtes gigas* Provancher, Nat. Canad., 1880, 12: 19; (Faune p. 451). [key, des., Que.]

*Ephialtes gigas* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [W.Va.]

*Ephialtes gigas* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Ephialtes gigas* Slosson, Ent. News, 1902, 13: 5. [N.H.]

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*Ephialtes gigas* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112.

[Que.]

*Ephialtes tuberculatus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 20. [key, syn., Lake Huron, N.S. (in part)]

*Ephialtes gigas* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

**Ichneumon imperator** (Kriechbaumer) new combination

*Ephialtes imperator* Kriechbaumer, Stettin. Ent. Ztg., 1854, 15: 156. ♀. [o.d., Germany (location of type unknown)]

*Ephialtes occidentalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 269. ♀. [o.d. Colo. (A.N.S.P.)] New synonymy

*Ephialtes occidentalis* Provancher, Nat. Canad., 1873, 5: 449. [Que.]

*Ephialtes occidentalis* Provancher, Nat. Canad., 1880, 12: 19; (Faune p. 451). [key, des.]

*Ephialtes occidentalis* Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

*Ephialtes occidentalis* Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Ephialtes occidentalis* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.]

*Ephialtes manifestator* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 19. [key, syn. (in part), des., Calif., Europe]

*Ichneumon (Ichneumon) occidentalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]

*Ichneumon occidentalis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

**Ichneumon irritator** Fabricius

*Ichneumon irritator* Fabricius, System. Ent., 1775, p. 336. ♀. [o.d., America (British Mus.)]

*Ichneumon irritator* Christ, Naturgesch. Class. u. Nomenc. der Ins., 1791, p. 362. [des.]

*Pimpla irritator* Fabricius, System. Piez., 1804, p. 115. [syn.]

*Pimpla irritator* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]

*Ephialtes irritator* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 81. ♀. [des., Carolina]

*Ephialtes irritator* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 112. ♀. [des.]

*Ephialtes irritator* Provancher, Nat. Canad., 1875, 7: 312. [Que.]

*Ephialtes irritator* Provancher, Nat. Canad., 1880, 12: 21; (Faune p. 453). [key, des.]

*Ephialtes irritator* Juelich, Ent. Amer., 1887, 3: 123. [host *h*, N.Y.]

*Ephialtes irritator* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Ephialtes irritator* Riley and Howard, Insect Life, 1891, 3: 461. [host *g*]

*Ephialtes irritator* Chittenden, Insect Life, 1893, 5: 247. [biol., host *e*, D.C.]

*Ephialtes irritator* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ephialtes irritator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.J.]

*Ephialtes irrorator* (!) Howard, The Insect Book, 1902, pl. 10, fig. 8

- Ephialtes irritator* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Ephialtes irritator* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. [Kans.]  
*Ephialtes irritator* Morley, Ent. 1909, 42: 135. [notes on type]  
*Ephialtes irritator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.]  
*Ephialtes irritator* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 17. [key, syn., des., Mexico, Mich., N.Y. (in part)]  
*Ichneumon irritator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key, Conn.]  
*Ichneumon irritator* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]  
*Ichneumon irritator* Champlain, Psyche, 1922, 29: 98. [host *a b*, Pa.]  
*Ichneumon irritator* Blackman and State, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 179. [host *d*, N.Y.]  
*Ichneumon (Ichneumon) irritator* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]  
*Ichneumon irritator* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]  
*Ichneumon (Ichneumon) irritator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [host *e f h*, N.Y.]  
*Ichneumon irritator* MacAndrews, Ann. Rpt. Ent. Soc. Ont., 1933, 63: 50. [biol., host *c*, N.Y.]  
*Ichneumon irritator* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [Conn.]  
*Ichneumon irritator* Brimley, Insects N.C., 1938, p. 411. [N.C.]  
*Ichneumon irritator* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737 [fig. ♂ genitalia]

BUPRESTIDAE: *a*, *Chrysobothris* sp. CERAMBYCIDAE: *b*, *Cyllene caryae*; *c*, *Cyllene robiniae*; *d*, *Graphisurus fasciatus*; *e*, *Leiopus variegatus*; *f*, *Obrium rufulum*; *g*, cerambycid. CURCULIONIDAE: *h*, *Cryptorhynchus lapathi*.

### ***Ichneumon macer* (Cresson)**

- Ephialtes macer* Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., Ont. (A.N.S.P.)]  
*Ephialtes macer* Davis, Canad. Ent., 1895, 27: 290. [syn. (in part)]  
*Ephialtes macer* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 22. [syn. (in part)]  
*Ichneumon macer* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]  
*Ichneumon macer* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]  
*Ichneumon (Ichneumon) macer* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]  
*Ichneumon macer* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [Me.]

### ***Ichneumon manifestator* Linnaeus \***

- Ichneumon manifestator* Linnaeus, Syst. Nat., Ed. 10, 1758, p. 563. ♀. [o.d., ?Sweden (Linnaean Society Coll.)]

\* Specimens in the Townes Collection are from Mass., N. Y., and R. I.

**Ichneumon mesocentrus** (Gravenhorst) \*

- Ephialtes mesocentrus* Gravenhorst, Ichneum. Europeae, 1829, 3: 249. ♂.  
[o.d., "circa Trajectum ad Moenam, in Regione Pedemontana" Europe  
(?Breslau Mus.)]
- Ephialtes rex* Kriechbaumer, Stettin. Ent. Ztg., 1854, 15: 156. [Danzig,  
southern Bavaria (?Munich Mus.)]
- Ephialtes rex* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [N. Amer.]
- Ephialtes rex* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]
- Ephialtes rex* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Ephialtes mesocentrus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627.  
[syn., N.Y.]
- Ichneumon mesocentrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
324. [key]
- Ichneumon mesocentrus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139.  
[Me.]

**Ichneumon perlongus** (Cresson) new combination

- Ephialtes perlongus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♂. [o.d.,  
Mass. (A.N.S.P.)]
- Ephialtes perlongus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

**Ichneumon pusio** (Walsh)

- Ephialtes pusio* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 111. ♀. [o.d.,  
?Ill. (type destroyed)]
- Calliephialtes pusio* Cushman, Jour. Agr. Res., 1913, 1: 214. [syn.]
- Ephialtes pusio* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 22. [key, syn.,  
des., Colo., N. H. (in part)]
- Ichneumon (Ichneumon) pusio* Cushman, Mem. Cornell Univ. Agr. Sta., 1928,  
101: 941. [N.Y.]
- Ephialtes pusio* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]

**Ichneumon pterelas** Say

- Ichneumon (Pimpla) pterelas* Say, Contrib. Maclurean Lyceum Arts Sci., 1829,  
1: 71; (Leconte Ed. 1: 376). ♀. [o.d., Ind. (type destroyed)]
- Ichneumon pterelas* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166.  
[syn.]

**Ichneumon pygmaeus** (Walsh) new combination

- Ephialtes pygmaeus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 111. ♀.  
[o.d., ?Ill. (type destroyed)]
- Ephialtes pygmaeus* Provancher, Nat. Canad., 1880, 12: 20; (Faune p. 452).  
[key, des., Que.]
- Ephialtes pygmaeus* Riley and Howard, Insect Life, 1891, 3: 461. [host *a*, Mo.]
- Ephialtes pygmaeus* Evans, Canad. Ent., 1896 28: 11. [Ont.]
- Ephialtes pygmaeus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

\* Occurrence in the Nearctic Region needs confirmation.



*Exeristes pygmaea* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 27. [key, des., Mexico, western Canada]

*Ephialtes pygmaeus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

***Ichneumon tenuiventris* (Holmgren) new combination**

*Ephialtes tenuiventris* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 3, pt. 2, no. 10: 14. ♂, ♀. [o.d., Sweden (?Stockholm Mus.)]

*Ephialtes pacificus* Harrington, Canad. Ent., 1894, 26: 248. ♂, ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

***Ichneumon tuberculatus* Fourcroy \***

*Ichneumon tuberculatus* Fourcroy, Entomologia Parisiensis, 1785, 2: 395.† [o.d. ?Paris, France (location of type unknown)]

*Ephialtes tuberculatus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [N. Amer.]

*Ephialtes tuberculatus* Cresson, Trans. Amer. Ent. Soc., 1872, 3: 164. [Tex.]

*Ephialtes manifestator* Provancher, Nat. Canad., 1873, 5: 449. [des., Que.] Misdetermined.

*Ephialtes tuberculatus* Provancher, Nat. Canad., 1875, 7: 140. [correction]

*Ephialtes tuberculatus* Provancher, Nat. Canad., 1880, 12: 21; (Faune p. 453). [key, des.]

*Ephialtes tuberculatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Ephialtes tuberculatus* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

*Ephialtes tuberculatus* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 20. [key, syn., Lake Huron, N.S. (in part)]

*Ichneumon tuberculatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]

*Ichneumon (Ichneumon) tuberculatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Ichneumon tuberculatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

*Ephialtes tuberculatus* Peck, Canad. Jour. Res., 1937 D, 15: 248, 249, 252 [fig. ♂ genitalia]

**ISEROPUS Foerster**

*Iseropus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Ichneumon graminellae* Schrank) = *stercorator* Fabricius.

***Iseropus brunneifrons* (Viereck)**

?*Pimpla inquisitor* Fiske, Bull. N.H. Agr. Exp. Sta., 1903, 32: 98.

*Pimpla (Epiurus) brunneifrons* Viereck, Ent. News, 1909, 20: 291. ♂, ♀. [o.d., host c, Calif. (U.S.N.M.)]

\* Occurrence in the Nearctic Region needs confirmation.

† This reference not seen.

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?*Epiurus graminellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 83. [key, syn., Calif., Europe, N.Y., N.S. (?in part)] ?Misdetermined

*Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-12. [syn. (in part)]

*Iseropus coelebs* Patch, Bull. Me. Agr. Exp. Sta., 1921, 302: 318. [fig., biol., host g, Me.] Misdetermined

*Iseropus brunneifrons* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 56. ♂, ♀. [key, syn., des.]

*Iseropus brunneifrons septentrionalis* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 56. ♂, ♀. [key, o.d., host b d e f g, Saute Sainte Marie, Mich. (U.S.N.M.), Colo., D.C., Ind., Me., Md., Mass., Mich., N.B., N.H., N.J., N.Y., ?Ohio, Ore., Pa., Que., Wash., Wis.) New synonymy.]

LASIOCAMPIDAE: a, *Malacosoma disstria*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Hemerocampa oslari*; d, *Hemerocampa pseudotsugata*; e, *Notolophus antiquus badius*. PHALAENIDAE: f, *Simyra henrici*. CTENUCHIDAE: g, *Ctenucha virginica*.

### ***Iseropus californiensis* Cushman**

*Iseropus californiensis* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 58. ♂, ♀. [key, o.d., host a b, Yosemite, Calif. (U.S.N.M.)]

LASIOCAMPIDAE: a, *Malacosoma californicum*; b, *Malacosoma constrictum*.

### ***Iseropus coelebs* (Walsh)**

*Ichneumon inquisitor* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 71; (Leconte Ed. 1: 375). ♀. [o.d., host cc, Ind. (type destroyed)] Pre-occupied by Scopoli 1763.

*Ichneumon inquisitor* Say, Boston Jour. Nat. Hist., 1835, 1: 233; (Leconte Ed. 2: 690). [des.]

*Cryptus inquisitor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]

*Cryptus inquisitor* Riley, Ann. Rpt. Insects of Mo., 1869, 1: 150. [host c, Mo.]

*Pimpla inquisitor* Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host aa, Conn.]

*Pimpla inquisitor* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

*Pimpla inquisitor* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]

*Pimpla inquisitor* Provancher, Nat. Canad., 1873, 5: 451. ♂, ♀. [key, des., Que.]

*Pimpla inquisitor* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 138. ♀ only. [des.]

*Pimpla coelebs* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 141. ♂. [o.d., ?Ill. (type destroyed)]

*Pimpla inquisitor* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 141. [syn.]

*Pimpla inquisitor* Provancher, Nat. Canad., 1880, 12: 40; (Faune p. 461). ♂, ♀. [key, des.]

*Pimpla inquisitor* Lintner, Ann. Rpt. Insects N.Y., 1882, 1: 84. [host c]

*Pimpla inquisitor* Weed, Psyche, 1888, 5: 52. [host s, Ohio]

*Pimpla inquisitor* Riley and Howard, Insect Life, 1888, 1: 161. [host d e k dd]

- Pimpla inquisitor* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Pimpla inquisitor* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Pimpla inquisitor* Weed, Insect Life, 1891, 3: 275. [biol., host *f*]
- Pimpla inquisitor* Riley and Howard, Insect Life, 1891, 3: 462. [host *l o s*, Calif., D.C., Ill., Ia., Mo., N.Y., Tex.]
- Pimpla inquisitor* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *s*, W.Va.]
- Pimpla inquisitor* Coquillett, Bull. U. S. Dept. Agr., Div. Ent., 1894, 32: 30. [host *p*, Calif.]
- Pimpla inquisitor* Slosson, Ent. News, 1894, 5: 4. [N.H.]
- Pimpla inquisitor* Hamilton, Ent. News, 1894, 5: 288. [biol., host *a*, Ont.]
- Pimpla inquisitor* Fyles, Canad. Ent., 1894, 26: 120. [syn., host *y*, Que.]
- Pimpla inquisitor* Lugger, Bull. Minn. Agr. Exp. Sta., 1896, 43: 195. [host *i*, Minn.]
- Pimpla inquisitor* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla inquisitor* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla inquisitor* Howard, Bull. U. S. Dept. Agr., Div. Ent., 1897, 7: 16. [biol., D.C.]
- Pimpla inquisitor* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 8-17, 23, 31, 54. [fig., biol., host *s*, parasite *a b e f g*, D.C.]
- Pimpla inquisitor* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [biol., host *s*, D.C.]
- Pimpla inquisitor* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host *ee*, Mass.]
- Pimpla inquisitor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [host *j m*, N.J., N.Y.]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1900, 30: 104. [host *z*, Que.]
- Pimpla inquisitoriella* Dalla Torre, Cat. Hymen., 1901, 3: 435. New name for *Ichneumon inquisitor* Say.
- Pimpla inquisitor* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 198-200. [biol., host *n o bb*, N.H.]
- Pimpla inquisitor* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla inquisitor* Woods, Bull. Me. Agr. Exp. Sta., 1906, 137: 297. [host *t*, Me.]
- Pimpla inquisitor* Girault, Psyche, 1908, 15: 89. [host *s*, Ill.]
- Pimpla inquisitor* Gossard, Jour. Econ. Ent., 1908, 1: 188. [Ohio]
- Pimpla inquisitor* Nash, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 13. [host *s*, Ont.]
- Pimpla inquisitor* Howard and Chittenden, Cir. U. S. Dept. Agr., 1908, 97: 6. [host *c*]
- Pimpla inquisitor* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Pimpla inquisitor* Schoene, Bull. N.Y. Agr. Exp. Sta., 1909, 312: 47. [host *s*, N.Y.]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 31. [host *a*, Que.]
- Pimpla inquisitoriella* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 237-238. [host *t* parasite *c*]

- Pimpla inquisitor* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *c*, Mo.]
- Epiurus graminellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 83. [key, syn., Calif., N.C., N.S. (in part)]
- Pimpla inquisitor* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [host *g*, N.Y.]
- Pimpla inquisitor* Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269. [host *s*, parasite *g*]
- Pimpla inquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Scambus inquisitoriella* Payne, Proc. Ent. Soc. N.S., 1917, 3: 60, 67. [host *s u*]
- Scambus (Iseropus) inquisitoriellus* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321, 340. [key, host *b n*, parasite *f*, Conn.]
- Pimpla inquisitor* Wallace, Ann. Rpt. State Ent. Ind., 1917, 9: 189. [host *t*, Ind.]
- Epiurus inquisitoriella* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-11. [syn.]
- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10-12. [syn. (in part)]
- Scambus inquisitoriellus* (!) Dickerson and Weiss, Jour. N.Y. Ent. Soc., 1920, 28: 47: [host *f*, N.J.]
- Iseropus coelebs* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. [parasite *d*]
- Pimpla inquisitor* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Scambus (Iseropus) coelebs* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 33. [biol.]
- Iseropus inquisitoriellus* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [host *n t*, Me.]
- Iseropus coelebs* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [host *h n q t*, Me.]
- Scambus inquisitoriellus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Scambus (Iseropus) coelebs* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 942. [N.Y.]
- Scambus (Epiurus) inquisitoriellus* (!) Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Scambus (Iseropus) coelebs* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Pimpla inquisitor* Maheux, Nat. Canad., 1930, 57: 249. [host *s*, Que.]
- Pimpla inquisitoriella* Cole, Ent. News, 1931, 42: 9, 38. [host *w*, Mich.]
- Iseropus coelebs* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *r s x*, Me., Mass., N.H., N.J., N.Y., R.I.]
- Scambus coelebs* Britton, Bull. Conn. Agr. Exp. Sta., 1935, 378: 77. [host *m*, Conn.]
- Iseropus coelebs* Felt and Bromley, Jour. Econ. Ent., 1937, 30: 74. [host *n*, Conn.]
- Pimpla (Iseropus) coelebs* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂ genitalia]

*Scambus coelebs* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

*Scambus inquisitoriella* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

*Scambus (Iseropus) coelebs* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

*Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 53. ♂, ♀. [key, syn., des., host *n s v*, Ala., Canada, Conn., D.C., Guatemala?, Ia., Kans., La., Md., Mass., Neb., N.Y., Pa., Tex., Va.]

*Iseropus coelebs* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host *bb*, Canada]

CURCULIONIDAE: a, *Mononychus vulpeculus*. TINEIDAE: b, *tineid*. PSYCHIDAE: c, *Thyridopteryx ephemeriformis*. COLEOPHORIDAE: d, *Coleophora cinerella*. GELECHIDAE: e, *Gnorimoschema gallaesolidaginis*. MOMPIDAE: f, *Cyphophora eloisella*. TORTRICIDAE: g, *Archips argyrospila*; h, *Archips fumiferana*; i, *Archips semiferana*; j, *Peronea* sp. OLETHREUTIDAE: k, *Thiodia olivaceana*. PHYCITIDAE: l, *Acrobasis juglandis*; m, *Acrobasis* sp. LASIOCAMPIDAE: n, *Malacosoma americanum*; o, *Malacosoma californicum*; p, *Malacosoma constrictum*; q, *Malacosoma dissitia*. LYMANTRIIDAE: r, *Hemerocampa definita*; s, *Hemerocampa leucostigma*; t, *Hemerocampa* sp.; u, *Notolophus antiquus*; v, *Olene* sp. PHALAEINIDAE: w, *Simyra henrici*. ARCTIIDAE: x, *Halisidota caryae*. TEPHRITIDAE: y, *Eurosta solidaginis*. ARGIDAE: z, *Arge pectoralis*. DIPRIONIDAE: aa, *Neodiprion abietis*. ICHNEUMONIDAE: bb, *Hyposoter fugitivus*. Miscellaneous: cc, larva on *Clematis* sp.; dd, leaf roller on *Fraxinus* sp.; ee, lepidopteran on *Prunus virginianus*.

Parasite.—ICHNEUMONIDAE: a, *Bathythrix pimplae*; b, *Campoplex validus*; c, *Coccygmimus instigator*; d, *Itopectis conquisitor*; e, *Mastrus americanus*; f, *Phobetes thyridopteryx*. CHALCIDIDAE: g, *Dibrachys cavus*.

### *Iseropus orgyiae* (Ashmead)

*Pimpla orgyiae* Riley and Howard, Insect Life, 1891, 3: 462. [host *b*, Calif.]  
*Nomen nudum*

*Ictiopectis* (!) *orgyiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 213. ♂, ♀.  
[o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

*Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 10–12. In part

*Iseropus orgyiae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 351. [syn.]

*Iseropus orgyiae* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 55. ♂, ♀. [key, syn., des., host *a*, Calif.]

LYMANTRIIDAE: a, *Hemerocampa vetula* var. *gulosa*; b, *Hemerocampa* sp.

### TROMATOBIA Foerster

*Tromatobia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Pimpla variabilis* Holmgren) = *arundinator* Fabricius.

### *Tromatobia lateralis* (Cresson)

*Clistopyga? lateralis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 34. ♂, ♀. [o.d., Cuba (Gundlach Coll., Havana, Cuba)]

*Tromatobia lateralis* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 363. [syn., host *a*, Cuba, Ga., Puerto Rico]

Miscellaneous: a, spider eggs.

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**Tromatobia ovivora** (Boheman) \*

- Pimpla ovivora* Boheman, Svensk. Vet.-Akad. Handl., 1821, 42: 336. ♂, ♀.  
[o.d., fig., host *a*, "in Smolandia" (Europe) (location of type unknown)]
- Pimpla* (*Tromatobia*) *ovivora* Schmiedeknecht, Zool. Jahrb. Abt. System. Geog. Biol. Thiere, 1888, 3: 495. [key, des., host]
- Pimpla* (*Iseropus*) *viduiformis* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591. ♂. [o.d., New Haven, Conn. (U.S.N.M.)] New synonymy
- Scambus* (*Iseropus*) *viduiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 766. ♂. [des., host *a*, Conn.] "Types reared from spider egg-sacs on nursery stock imported from Europe"
- Tromatobia viduiformis* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 51. [syn.]
- Miscellaneous: *a*, spider eggs.

**Tromatobia rufopectus** (Cresson)

- Pimpla rufopectus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♀. [key, o.d., Pa. (A.N.S.P.)]
- Pimpla rufopectus* Provancher, Nat. Canad., 1880, 12: 40; (Faune p. 460). [key, des., Que.]
- Pimpla inquisitor* Riley and Howard, Insect Life, 1889, 1: 324. [biol., host *b*, N.J.] Misdetermined.
- Pimpla rufopectus* Riley and Howard, Insect Life, 1890, 3: 461. [host *f*, Calif.]
- Pimpla rufopectus* (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Pimpla rufopectus* Howard, Proc. Ent. Soc. Wash., 1892, 2: 293. [syn., host *a b*, Calif., Conn., N.J.]
- Pimpla rufopectus* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Scambus* (*Tromatobia*) *rufopectus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]
- Tromatobia rufopectus* Champlain, Psyche, 1922, 29: 97. [biol., host *d*, Pa.]
- Tromatobia rufopectus* Rau, Trans. Acad. Sci. St. Louis, 1922, 24, no. 7: 42. [biol., host *e*, Mo.]
- Tromatobia rufopectus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn. (in part)]
- Tromatobia rufopectus* Essig, Insects of Western N. Amer., 1926, p. 797. [host *a c*, Calif.]
- Tromatobia rufopectus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Tromatobia rufopectus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Tromatobia rufopectus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.] In part
- Tromatobia rufopecta* (!) Brimley, Insects of N.C., 1938, p. 411. [N.C.]
- Tromatobia rufopectus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]
- Tromatobia rufopectus* Townes, Ann. Ent. Soc. Amer., 1940, 33: 297. [parasite *a*, Fla.]

\* This species does not belong to the Nearctic fauna.

ARGIOPIDAE: a, eggs of *Argiope argentata*; b, eggs of *Argiope aurantia*; c, eggs of argiopid; d, eggs of garden spider; e, eggs of green argiopid. Miscellaneous: f, spider eggs. Parasite.—ICHNEUMONIDAE: a, *Theronia bicincta*.

**Tromatobia rufovariata** (Cresson)

- Pimpla rufovariata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♀. [key o.d., Pa. (A.N.S.P.). N.J.]
- Polysphincta cingulata* Provancher, Nat. Canad., 1875, 7: 141. ♀. [key, o.d. Que. (M.P.Q.)]
- Pimpla rufovariata* Provancher, Nat. Canad., 1880, 12: 42; (Faune p. 463). [key, des., Que.]
- Polysphincta cingulata* Provancher, Nat. Canad., 1880, 12: 45; (Faune p. 466) [key, des.]
- Pimpla rufovariata* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Pimpla rufovariata* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host a, Mass.]
- Pimpla rufovariata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Pimpla rufovariegata* Dalla Torre, Cat. Hymen., 1901, 3: 448. [lapsus for *rufovariata*]
- Pimpla rufovariata* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Scambus (Tromatobia) rufovariatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]
- Tromatobia rufovariata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Tromatobia rufovariata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Tromatobia rufovariata* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Tromatobia rufovariata* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Tromatobia rufovariata* Frohne, Trans. Amer. Micros. Soc., 1939, 58: 233. [host b, Mich.]
- Tromatobia niforanata* (!) Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- OLETHREUTIDAE: a, *Epiblema scudderiana*. Miscellaneous: b, spider eggs.

**Tromatobia scriptifrons** (Cresson)

- Pimpla scriptifrons* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 148. ♀. [key, o.d., Del. (A.N.S.P.), Ill.]
- Pimpla scriptifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 139. ♂, ♀. [des.]
- Pimpla vidua* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 140. ♀. [o.d., ?Ill. (type destroyed)] New synonymy.
- Pimpla scriptifrons* Provancher, Nat. Canad., 1880, 12: 41; (Faune p. 462). [key, des., Que.]

- Pimpla scriptifrons* Riley and Howard, Insect Life, 1891, 3: 462. [host *a*, D.C.]  
*Pimpla defensator* Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♀. [o.d., Mich. (A.N.S.P.)]  
*Pimpla scriptifrons* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Pimpla vidua* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Pimpla landerensis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 243. ♀. [o.d., near Lander, Wyo. (U. Kans.)] New synonymy.  
*Apechthis rugulosa* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 34. ♀. [key, o.d., Inverness, Woodcock's Landing at the mouth of the River Skeena, B.C. (British Mus.)] New synonymy.  
*Scambus* (*Tromatobia*) *scriptifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]  
*Tromatobia scriptifrons* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]  
*Tromatobia?* *rugulosa* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 355. [syn., des.]  
*Tromatobia rufopectus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn. (in part)]  
*Ephialtes* (*Tromatobia*) *scriptifrons* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Tromatobia rufopectus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [N.Y.] Misdetermined in part.  
*Scambus scriptifrons* Shaw, Jour. N.Y. Ent. Soc., 1930, 38: 465. [biol., N.Y.]  
 ARGIOPIDAE: *a*, *Argiope aurantia* eggs.

#### ***Tromatobia zonata* (Davis)**

- Clistopyga zonata* Davis, Ent. News, 1895, 6: 198. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]  
*Tromatobia zonata* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]  
*Tromatobia zonata* Auten, Ann. Ent. Soc. Amer., 1925, 18: 243, [host *a*]  
*Tromatobia zonata* Hubbell, Ann. Ent. Soc. Amer., 1932, 35: 504. [biol., Fla.]  
 ARGIOPIDAE: *a*, ?*Araneus sericatus* eggs.

#### **ZAGLYPTUS Foerster**

- Zaglyptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.  
 Genotype: *Polysphincta varipes* Gravenhorst.

#### ***Zaglyptus incompletus* (Cresson)**

- Pimpla incompleta* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♀. [key, o.d., Ill. (A.N.S.P.)]  
*Pimpla animosa* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] New synonymy.



- Polysphincta Rubricapensis* Provancher, Nat. Canad., 1873, 5: 470. ♀. [key, o.d., Que. (M.P.Q.)]
- Cylloceria Lemoinei* Provancher, Nat. Canad., 1873, 5: 471. ♂. [o.d., Que. (M.P.Q.)]
- Polysphincta pimploides* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 145. ♀. [o.d., ?Ill. (type destroyed)] New synonymy.
- Polysphincta Rubricapensis* Provancher, Nat. Canad., 1880, 12: 44; (Faune p. 465). [key, des.]
- Cylloceria Lemoinei* Provancher, Nat. Canad., 1880, 12: 47; (Faune p. 468). ♂, ♀. [key, des.]
- Polysphincta rufigaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 447. ♀. [o.d., Tex. (U.S.N.M.)]
- Polysphincta spinosa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Urbana, Ill. (A.N.S.P.)]
- Lampronota lemoinei* Dalla Torre, Cat. Hymen., 1901, 3: 516. [syn.]
- Polysphincta rubricapensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [des., Conn.]
- Zaglyptus incompletus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Zaglyptus animosus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta pimploides* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [des.]
- Zaglyptus incompletus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Zaglyptus incompletus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Zaglyptus incompletus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Zaglyptus incompletus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [host a, N.Y., Tex.]
- Zaglyptus incompletus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930. 3, no. 2: 103. [Mass.]
- Zaglyptus incompletus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Zaglyptus incompletus* Brimley, Insects of N.C., 1938, p. 411. [N.C.]
- Zaglyptus incompletus spinosus* Brimley, Insects of N.C., 1938, p. 411. [N.C.]
- Zaglyptus incompletus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]
- Miscellaneous: a, spider eggs.

### PSEUDORHYSSA Merrill

*Pseudorhyssa* Merrill, Trans. Amer. Ent. Soc., 1915 41: 150.

Genotype: *Pseudorhyssa sternata* Merrill.

#### *Pseudorhyssa sternata* Merrill

*Pseudorhyssa sternata* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 150. ♀. [o.d., Toronto, Ont. (A.N.S.P.), Colo., Me., Wash. Territory]

**DELOMERISTA** Foerster

*Delomerista* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: *Pimpla mandibularis* Gravenhorst.

**Delomerista diprionis** Cushman

*Delomerista diprionis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 398. ♂, ♀.

[o.d., host *a b d*, Oakville, Ont. (U.S.N.M.), B.C., Conn., Ida., Me., Mich., N.H., Ore., Que., Wash., Wis.]

*Delomerista diprionis* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 50, 51. [biol., host *d*, Ore.]

*Delomerista diprionis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *c*, Canada]

*Delomerista diprionis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

DIPRIONIDAE: *a*, *Diprion hercyniae*; *b*, *Diprion similis*; *c*, *Neodiprion abietis*; *d*, *Neodiprion tsugae*.

**Delomerista novita** (Cresson)

*Pimpla novita* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♀. [key, o.d., Mass. (A.N.S.P.)]

*Pimpla novita* Provancher, Nat. Canad., 1873, 5: 451. [key, des., Que.]

*Pimpla novita* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Pimpla novita* Provancher, Nat. Canad., 1880, 12: 39; (Faune, p. 460). [key, des.]

*Pimpla novita* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Pimpla novita* Riley and Howard, Insect Life, 1891, 3: 461. [host *b d*, D.C., S.C.]

*Pimpla novita* Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]

*Pimpla novita* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Pimpla novita* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Pimpla novita* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *a c*, N.H.]

*Epiurus brevicornis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 86. [key, syn., Hudson Bay, N.S. (in part)]

*Delomerista novita* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Delomerista novita* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

*Delomerista novita* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [syn., N.Y.]

*Delomerista novita* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737. [fig. ♂ genitalia]

CURCULIONIDAE: *a*, *Mononychus vulpeculus*. OLETHREUTIDAE: *b*, *Thiodia olivaceana*. PHYCITIDAE: *c*, *Acrobasis rubrifasciella*. PHALAENIDAE: *d*, *Eublemma minima*.

**Delomerista texana** (Cresson)

*Pimpla texana* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Tex. (A.N.S.P.)]

- Pimpla texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]  
*Pimpla laevifrons* Thomson, Opusc. Ent., 1877, pt. 8: 750. ♂, ♀. [o.d., Sweden (?Lund Mus.)] New synonymy.  
*Pimpline* n. gen. et n. sp. Slosson, Ent. News, 1906, 17: 324. [N.H.]  
*Delomerista texana* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 11. [syn.]

**PERITHOUS** Holmgren

- Perithous* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 123.  
 Genotype: *Ephialtes albicinctus* Gravenhorst.

**Perithous divinator** (Rossi) \*

- Ichneumon divinator* Rossi, Fauna Etrusca, 1790, 2: 48. ♀. [o.d., Etrusca, Italy (location of type unknown)]  
*Perithous divinator* Marshall, Cat. Brit. Hymen. Chrysid. Ichneum. Bracon. Evan., 1872, p. 86. [syn.]

**Perithous pleuralis** Cresson

- Perithous pleuralis* Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Grimsby, Ont. (type lost)]  
*Perithous pleuralis* Provancher, Nat. Canad., 1875, 7: 141. ♂, ♀. [des., Que.]  
*Perithous pleuralis* Provancher, Nat. Canad., 1880, 12: 22; (Faune, p. 454). [des.]  
*Perithous pleuralis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.Y.]  
*Pimpla neomexicana* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. ♀. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.  
*Perithous pleuralis* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Perithous pleuralis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 12. [key, des.]  
*Perithous pleuralis* Champlain, Psyche, 1922, 29: 97. [biol., Pa.]  
*Perithous pleuralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]  
*Perithous pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 943. [host a, N.Y.]  
*Perithous pleuralis* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]  
*Perithous pleuralis* Reinhard, Nature Mag., 1929, 13: 155, 156, 157. [fig., biol., host a]  
*Perithous pleuralis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Alta.]  
*Perithous pleuralis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]  
 SPHECIDAE: a, *Pemphredon concolor*.

\* Numerous specimens in the Townes Collection are from the following New York State localities: Bemus Point, Canajoharie, Gilbertsville, Ithaca, and Shokan.

## Subfamily 1. ICHNEUMONINAE

## Tribe 2. POLYSPHINCTINI

**ZABRACHYPUS** Cushman

*Zabrachypus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37.

Genotype: *Zabrachypus primus* Cushman.

**Zabrachypus primus** Cushman

*Zabrachypus primus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 17, 37. ♀.  
[o.d., fig., Mont. (U.S.N.M.)]

**Zabrachypus slossonae** (Davis) new combination

*Polysphincta slossonae* Slosson, Ent. News, 1895, 6: 317. [N.H.] Nomen nudum

*Polysphincta slossonae* Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]

*Polysphincta (Polysphincta) slossonae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 27. ♂, ♀. [key, des., Calif., Colo., Ill., N.B.]

*Polysphincta slossonae* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Polysphincta slossonae* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]

*Polysphincta (Polysphincta) slossonae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

*Polysphincta slossonae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

*Polysphincta slossonae* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**OXYRRHEXIS** Foerster

*Oxyrrhexis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Cryptus carbonator* Gravenhorst.

**Oxyrrhexis carbonator** (Gravenhorst)

*Cryptus carbonator* Gravenhorst, Vergl. Übers. Zool. System., 1807, p. 264. [o.d., ?Germany (?Breslau Mus.)]

*Polysphincta carbonator* Gravenhorst, Ichneum. Europeae, 1829, 3: 123. ♂, ♀. [des., Europe]

*Polysphincta texana* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♀. [key, o.d., Tex. (A.N.S.P.)]

*Polysphincta texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

*Polysphincta vicina* Provancher, Nat. Canad., 1873, 5: 470. ♂. [key, o.d., Que. (M.P.Q.)]

*Polysphincta Texana* Provancher, Nat. Canad., 1873, 5: 470. [key, Que.]

*Polysphincta vicina* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Polysphincta vicina* Provancher, Nat. Canad., 1880, 12: 44; (Faune, p. 465). [key, syn., des.]

- Oxyrrhexis carbonator* Schmiedeknecht, Zool. Jahrb. Abth. Syst. Geogr. Biol., 1888, 3: 432. [syn.]
- Polysphincta texana* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Polysphincta texana* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Polysphincta texana* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Polysphincta bicarinata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♂. [o.d., Moscow, Ida. (A.N.S.P.)] Preoccupied by Riley 1871.
- Polysphincta carbonator* var. Roman, Ent. Tidskr., 1910, 31: 187. [des., Ill., Wis.]
- Polysphincta texana* Cushman, Proc. Ent. Soc. Wash., 1913, 15: 157 [biol., host a]
- Polysphincta texana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 318. [des., host a]
- Polysphincta (Polysphincta) texana* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 21, pl. 2. [key, syn., des., Calif., Colo., Minn., Mo., N.M., N.Y., Va.]
- Polysphincta (Polysphincta) texana* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Polysphincta texana* Brues, Psyche, 1927, 34: 80. [Mass.]
- Polysphincta vicina* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Polysphincta texana* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Polysphincta (Polysphincta) texana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]
- Polysphincta texana* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C., Man., Que.]
- Polysphincta texana* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia]

THERIDIIDAE: a, *Steatoda borealis*.

### ZATYPOTA Foerster

- Zatypota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.  
Genotype: *Ichneumon percontatorius* Müller.
- Polysphinctopsis* Habermehl, Ztschr. Wiss. Ins.-Biol., 1917, 13: 167. New synonymy.  
Genotype: *Polysphincta eximia* Schmiedeknecht.

### *Zatypota alborhombarta* (Davis)

- Clistopyga alborhombarta* Davis, Ent. News, 1895, 6: 198. ♀. [key, o.d., Fla. (A.N.S.P.)]
- Polysphincta (Zatypota) alborhombarta* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 30. ♀. [key, des., Va.]

### *Zatypota dictynae* (Howard)

- Polysphincta dictynae* Howard, Insect Life, 1888, 1: 107. ♂. [o.d., fig., biol., host a, Westham, Mass. (U.S.N.M.)]
- MEM. AMER. ENT. SOC., 11 pt. 1.

- Polysphincta (Zatypota) dictynae* Howard, Proc. Ent. Soc. Wash., 1892, 2: 291. [syn.]
- Polysphincta minuta* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Mich. (A.N.S.P.)]
- Polysphincta (Zatypota) dictynae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 30. [key, syn., des., Ariz., Colo.]
- Zatypota dictynae* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- DICTYNIDAE: a, *Dictyna foliacea*.

***Zatypota nigriceps* (Walsh)**

- Polysphincta nigriceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 144. ♂, ♀. [o.d., ?Ill. (type destroyed)]
- Polysphincta nigrita* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 144. ♂. [o.d., ?Ill. (type destroyed)] New synonymy.
- Clistopyga nigrocephala* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.
- Polysphincta nigrita* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.Y.]
- Polysphincta (Zatypota) nigrocephala* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 32. [key, des., D.C., Ind.]
- Polysphincta (Zatypota) braucheri* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 33. ♂, ♀. [key, o.d., fig., Douglas, Mich. (U.S.N.M.), Ind.] New synonymy.
- Polysphincta (Zatypota) californiensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 34. ♀. [key, o.d., Santa Cruz Mts., Calif. (U.S.N.M.)] New synonymy.
- Polysphincta (Zatypota) crosbyi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 35. ♂, ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.)] New synonymy.
- Polysphincta (Zatypota) nigriceps* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta (Zatypota) nigrita* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 37. [syn.]
- Polysphincta (Zatypota) crosbyi* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

***Zatypota parva* (Cresson)**

- Glypta? parva* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., Ill. (A.N.S.P.)]
- Oxyrrhexis parva* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 642. [syn.]
- Polysphincta (Zatypota) parva* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 35. ♂, ♀. [key, des., Calif., N.Y.]
- Polysphincta (Zatypota) parva* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 35, 36, pl. 5, fig. 37. [biol.]
- Polysphincta (Zatypota) parva* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

**Zatypota theridii** (Howard)

*Polysphincta theridii* Howard, Proc. Ent. Soc. Wash., 1892, 2: 292. ♂. [o.d., host *a*, Eastport, Me. (U.S.N.M.)]

*Polysphincta granulosa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 369. ♀. [o.d., Mich. (A.N.S.P.)] New synonymy.

*Polysphincta (Zatypota) theridii* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 31. [key, des.]

*Polysphincta (Zatypota) granulosa* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 33. [key, des.]

THERIDIIDAE: *a*, *Theridion* sp.

**COLPOMERIA** Holmgren

*Colpomeria* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 126.

Genotype: *Colpomeria laevigata* Holmgren.

**Colpomeria kincaidii** Ashmead

*Zaglyptus kincaidii* Ashmead, Insect Life, 1894, 6: 260. ♂, ♀. [o.d., host *a*, Olympia, Wash. (U.S.N.M.)]

*Polysphincta albocoxalis* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

*Colpomeria mellithorax* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 17, 19. ♀. [key, o.d., fig., no locality (U.S.N.M.)] New synonymy.

*Colpomeria kincaidii* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 20. [key, des., N.H.]

*Colpomeria kincaidii* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. [syn.]

*Colpomeria mellithorax* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

ARGIOPIDAE: *a*, *Tetragnathus* sp.

**ACRODACTYLA** Haliday \*

*Barypus* Haliday, in Curtis, Guide Arrang. Brit. Ins., Ed. 2, 1837, p. 94. Pre-occupied by Laporte 1834.

Genotype: *Barypus degener* Haliday.

*Acrodactyla* Haliday, Mag. Nat. Hist., 1838, 2: 117. New name for *Barypus* Haliday.

*Symphylus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 105. Preoccupied by Dallas 1851. New synonymy.

Genotype: *Symphylus hadrodactylus* Foerster.

*Polemophthorus* Schulz, Zool. Ann., 1911, 4: 22. New name for *Symphylus* Foerster.

\* Undescribed Nearctic species of this genus are in the Townes Collection.

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**POLYSPHINCTA** Gravenhorst

*Polysphincta* Gravenhorst, Ichneum. Europeae, 1829, 3: 112.

Genotype: *Polysphincta tuberosa* Gravenhorst.

***Polysphincta albipes* Cresson**

*Polysphincta albipes* Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 208.

♂. [o.d., Rock Ledge, Fla. (type lost)]

*Polysphincta albipes* Hubbard, Insects Affecting the Orange, 1885, p. 153. [des., biol., host a]

*Polysphincta (Polysphincta) albipes* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 23. [key, des.]

TORTRICIDAE: a, ?*Platynota rostrana*.

***Polysphincta burgessii* Cresson**

*Polysphincta Burgessii* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 149. ♂. [key, o.d., Beverly, Mass. (A.N.S.P.)]

*Polysphincta rufopectus* Provancher, Nat. Canad., 1875, 7: 140. ♀. [key, o.d., Que. (M.P.Q.)]

*Polysphincta Burgessii* Provancher, Nat. Canad., 1880, 12: 43; (Faune, p. 464). ♂, ♀. [key, des., Que.]

*Polysphincta (Polysphincta) burgessi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 26. [key, syn., des., fig. (in part)]

*Polysphincta burgessi* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Polysphincta (Polysphincta) burgessi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

*Polysphincta burgessi* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

*Polysphincta (Polysphincta) venatrix* DeGant, Proc. U. S. Nat. Mus. 1933, 82: 4. ♀. [o.d., Parr Is., East Spence Lake, Ont. (U.S.N.M.)] New synonymy.

***Polysphincta limata* Cresson**

*Polysphincta limata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 150. ♀. [key, o.d., Mass. (A.N.S.P.), N.J.]

*Polysphincta Bruneti* Provancher, Nat. Canad., 1873, 5: 471. ♀. [key, o.d., Que. (M.P.Q.)]

*Polysphincta limata* Provancher, Nat. Canad., 1880, 12: 45; (Faune, p. 466). [key, syn., des.]

*Polysphincta Bruneti* Provancher, Nat. Canad., 1880, 12: 45; (Faune, p. 466). [key, des.]

*Polysphincta (Zaglyptus) koebelei* Howard, Proc. Ent. Soc. Wash., 1892, 2: 293. ♀. [o.d., host a, Santa Cruz Mts., Calif. (U.S.N.M.)] New synonymy.

*Polysphincta limata* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Polysphincta limata* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]



*Ephialtomorpha slossonae* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Polysphincta lunata* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Polysphincta (Polysphincta) koebeleri* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 24. ♂, ♀. [key, des., Calif., Kans.]

*Polysphincta (Polysphincta) elongata* Cushman, Proc. U. S. Nat. Mus. 1920, 58: 25. ♀. [key, o.d., Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

*Polysphincta (Polysphincta) burgressi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 26. [key, syn., des., fig. (in part)]

*Polysphincta elongata* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25. [syn.]

*Polysphincta (Polysphincta) koebeleri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

ARGIOPIDAE: a, "*Epeira*" sp.

### ***Polysphincta strigis* Howard**

*Polysphincta (Zatypota) strigis* Howard, Proc. Ent. Soc. Wash., 1892, 2: 291. ♀. [o.d., host a, Seacliff, N.Y. (U.S.N.M.)]

*Polysphincta (Polysphincta) strigis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 28. [key, des., B.C., N.Y.]

*Polysphincta (Polysphincta) strigis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Polysphincta (Polysphincta) strigis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

ARANEIDAE: a, *Araneus cornutus*.

### **HYMENOEPIMECIS Viereck**

*Epimecis* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 112. Preoccupied by Hübner 1825.

Genotype: *Epimecis bicolor* Brullé.

*Hymenoepimecis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. New name for *Epimecis* Brullé.

### ***Hymenoepimecis wiltii* (Cresson)**

*Epimecis Wiltii* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., Ohio (A.N.S.P.)]

*Hymenoepimecis wilti* Shannon, Proc. Ent. Soc. Wash., 1913, 15: 162. [biol., host a]

*Epimecis wilti* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 6, 8. [key, syn. (in part)]

*Hymenoepimecis wilti* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des.]

*Hymenoepimecis wiltii* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 16, 17, pl. 2. ♂, ♀. [key, des., fig., Ala., Kans., Md., Mass., Pa., S.C., Tex., Va.]

*Epimecis wiltii* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

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*Hymenoepimecis wilti* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]

*Hymenoepimecis wilti* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

*Hymenopimecis* (!) *wiltii* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]

ARGIOPIDAE: a, *Neoscona arabesca*.

### SCHIZOPYGA Gravenhorst

*Schizopyga* Gravenhorst, Ichneum. Europeae, 1829, 3: 125.

Genotype: *Schizopyga podagrica* Gravenhorst.

#### *Schizopyga frigida* (Cresson)

*Schizopyga frigida* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)]

*Schizopyga frigida* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Polysphincta pontiaci* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. ♂. [o.d., Cheshire, Conn. (Conn. Agr. Exp. Sta.)]. New synonymy.

*Polysphincta* (*Zatypota*) *pontiaci* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 32. [key, des.]

*Schizopyga frigida* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 7. ♀. [des., Ia., N.H.]

#### *Schizopyga pulchra* Walley

*Schizopyga pulchra* Walley, Canad. Ent., 1936, 68: 20. ♀. [o.d., Moosonee, Ont. (C.N.C.), Man., N.J.]

## Subfamily 1. ICHNEUMONINAE

### Tribe 3. ECHTHROMORPHINI

#### COCCYGOMIMUS Saussure \*

*Pimpla* of authors, not of the genotype.

*Ephialtes* of certain American authors, not of Schrank.

*Coccygomimus* Saussure, in Grandidier: Hist. Mad., 1892, 20: plate 14, fig. 12.

GENOTYPE: *Coccygomimus madecassus* Saussure.

*Lissotheronia* Cameron, Spolia Zeylanica, 1905, 3: 139.

GENOTYPE: *Lissotheronia flavipes* Cameron.

*Pimplidea* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 117.

GENOTYPE: *Pimpla pedalis* Cresson.

*Opodactyla* Seyrig, Mém. Acad. Malagache, 1932, 11: 60.

GENOTYPE: *Pimpla* (*Opodactyla*) *waterloti* Seyrig.

\* In 1940 I used the name *Pimpla* for this genus, following a conservative course because it seemed then that the International Commission would soon make a *nomen conservandum* of *Pimpla*. This does not now seem likely, so the rules of nomenclature are applied.

**Coccygomimus aequalis** (Provancher) new combination

- Pimpla annulipes* Walsh, Canad. Ent., 1869, 2: 12. [des.] Misdetermined.
- Pimpla annulipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key] Misdetermined.
- Pimpla annulipes* Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host o] Misdetermined.
- Pimpla annulipes* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.] Misdetermined.
- Pimpla annulipes* Riley, Ann. Rpt. Insects Mo., 1873, 5: 49. ♂, ♀. [des., fig., biol., host l] Misdetermined.
- Pimpla annulipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 133. ♂, ♀. [des.] Misdetermined.
- Pimpla aequalis* Provancher, Nat. Canad., 1880, 12: 36; (Faune, p. 457). ♀. [key, o.d., Que. (M.P.Q.)]
- Pimpla annulipes* Provancher, Nat. Canad., 1880, 12: 36; (Faune, p. 457). [key, des., Que.] Misdetermined.
- Pimpla annulipes* Weed, Psyche, 1888, 5: 51. [host r, Ohio] Misdetermined.
- Pimpla annulipes* Riley and Howard, Insect Life, 1883, 1: 161. [host g j k l o u v aa cc] Misdetermined.
- Meniscus Ashmeadii* Provancher, Addit. Faune Canada, Hymén., 1888, p. 430. ♀. [o.d., Jacksonville, Fla. (M.P.Q.)]
- Pimpla aequalis* Provancher, Nat. Canad., 1889, 19: 248. [Que.]
- Pimpla annulipes* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1884. [fig., host z aa, N.Y.] Misdetermined.
- Pimpla annulipes* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.] Misdetermined.
- Pimpla annulipes* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.] Misdetermined.
- Pimpla annulipes* Koebele, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 90. [host l, Calif.] Misdetermined.
- Pimpla annulipes* Riley and Howard, Insect Life, 1891, 3: 461. [host l q, Calif., D.C., Mich., Mo., Tex.] Misdetermined.
- Pimpla annulipes* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.] Misdetermined.
- Pimpla annulipes* Davis, Canad. Ent., 1894, 26: 321. [syn. (in part)] Misdetermined.
- Pimpla annulipes* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.] Misdetermined.
- Pimpla annulipes* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1896, 4: 113. [biol., host x] Misdetermined.
- Pimpla annulipes* Slosson, Ent. News, 1896, 7: 264. [N.H.] Misdetermined.
- Pimpla conquisitor* var. *rufuscula* Davis, Trans. Amer. Ent. Soc., 1898, 24: 368. ♀. [o.d., northern Ill. (A.N.S.P.) Mich.]
- Pimpla annulipes* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.] Misdetermined.

- Pimpla annulipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J., N.Y.] Misdetermined.
- Pimpla aequalis* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla annulipes* Nason, Ent. News, 1905, 16: 171. [Ill.] Misdetermined.
- Pimpla conquisitor* var. *rufuscula* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla annulipes* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293, 317. [Ariz., Kans.] Misdetermined.
- Pimpla annulipes* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. [Kans.] Misdetermined.
- Pimpla annulipes* Girault, Bull. U. S. Dept. Agr., Bur. Ent., 1907, 68: 45. [host *e*, Ga.] Misdetermined.
- Pimpla annulipes* Jenne, Bull. U. S. Dept. Agr., Bur. Ent., 1909, 80: 30. [host *l* Ark.] Misdetermined.
- Pimpla annulipes* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.] Misdetermined.
- Pimpla turionellae* Roman, Ent. Tidskr., 1910, 31: 187. [des., Ill., N.J., N.C., Tex., Wis.] Misdetermined.
- Pimpla marginata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.] Misdetermined.
- Pimpla turionellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 66. [key, syn., des., Asia, Europe, Mexico, N.M., N.Y., N.S., Tex.] Misdetermined, in part.
- Itoplectis marginatus* Brooks and Blakeslee, Bull. U. S. Dept. Agr., 1915, 189: 46. [fig., host *l*, Md., Va., W.Va.] Misdetermined.
- Itoplectis marginatus* Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host *p*, Ga.] Misdetermined.
- Itoplectis rufuscula* Watson, Jour. Econ. Ent., 1916, 9: 527, fig. [host *y*]
- Scambus* (*Itoplectis*) *marginatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [syn. (in part), des., fig., Conn.] Misdetermined.
- Pimpla annulipes* King, Bull. Ohio Agr. Exp. Sta., 1917, 307: 422. [host *e*, Ohio] Misdetermined.
- Scambus* (*Pimplidea*) *turionellae* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [des., N.Y.] Misdetermined.
- Pimplidea aequalis* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key, syn.]
- Stoplictus* (!) *marginatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Pimplidea aequallis* (!) Stearns, Jour. Econ. Ent., 1919, 12: 348. [host *m*, Va.]
- Ephialtes* (*Ephialtes*) *turionellae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. [syn.]
- Ephialtes* (*Ephialtes*) *aequalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 338. [key, des., host *e i l n o p*, Ala., Ark., Colo., D.C., Fla., Ga., Ill., Ind., Kans., La., Md., Mass., Mich., Mo., Neb., N.B., N.H., N.J., N.M., N.Y., Pa., Tex., Va., W.Va., Wis.]

- Ephialtes aequalis* Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *d*, Pa., W.Va.]
- Itoplectis annulipes* Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *d*, W.Va.] Misdetermined.
- Ephialtes aequalis* Champlain, Psyche, 1922, 29: 97. [host *l*, Pa.]
- Ephialtes aequalis* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *l*, Ark.]
- Ephialtes aequalis* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16. [host *h*, Va.]
- Ephialtes* (*Ephialtes*) *aequalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes aequalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [host *t*, Me.]
- Ephialtes* (*Ephialtes*) *aequalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [host *l*, N.Y.]
- Ephialtes aequalis* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Ephialtes aequalis* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *m*, Ont.]
- Ephialtes aequalis* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *m*, N.J.]
- Ephialtes aequalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Ephialtes aequalis* Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host *w*, Wis.]
- Ephialtes aequalis* Hinds and Osterberger, Jour. Econ. Ent., 1931, 24: 1172. [host *y*, La.]
- Ephialtes aequalis* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *c*, Me.]
- Ephialtes aequalis* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *m*, Mich.]
- Ephialtes aequalis* Nettles, Jour. Econ. Ent., 1934, 27: 814. [host *m*, S.C.]
- Ephialtes aequalis* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *m*, Md.]
- Ephialtes aequalis* Farquhar, Psyche, 1934, 41: 29. [host *b*, Mass.]
- Ephialtes aequalis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, N.J.]
- Ephialtes aequalis* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *m*, Del.]
- Ephialtes aequalis* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *m*, Ont.]
- Ephialtes aequalis* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *m*, Ohio]
- Ephialtes aequalis* Marsh, Ecology, 1937, 18: 108. [host *bb*]
- Ephialtes aequalis* Langford, Jour. Econ. Ent., 1937, 30: 322. [host *f*, Md.]
- Ephialtes aequalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [host *c*, Me.]
- Ephialtes aequalis* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *m*, Conn.]

- Ephialtes aequalis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Ephialtes rufusculus* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Pimpla aequalis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]  
*Pimpla aequalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 308. [key, syn., des.,  
 biol., host *c l m*, Ala., Ark., Conn., Fla., Ill., Ind., Ia., La., Me., Md., Mass.,  
 Mich., Neb., N.B., N.H., N.J., N.Y., N.C., Ohio, Ont., Pa., Que., R.I.,  
 S.C., Tenn., Tex., Va., W.Va.]  
*Ephialtes aequalis* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *m*,  
 Del.]  
*Ephialtes aequalis* Neiswander, Jour. Econ. Ent., 1941, 34: 388. [host *s*, Ohio]  
 PSYCHIDAE: a, *Eurukuttarus confederatus*; b, *Fumaria casta*. COLEOPHORIDAE: c,  
*Coleophora salmani*. AGERIIDAE: d, *Conopia pyri*; e, *Sanninoidea pictipes*. GELECHI-  
 IDAE: f, *Dichomeris marginella*; g, *Gnorimoschema gallaeasteriella*; h, *Gnorimoschema*  
*operculella*; i, *Recurvaria nanella*. TORTRICIDAE: j, *Argyrotaenia quercifolia*; k, *Peronea*  
*oxycozana*. OLETHREUTIDAE: l, *Carpocapsa pomonella*; m, *Grapholitha molesta*; n,  
*Gretchena bolliana*. PHYCITIDAE: o, *Acrobasis juglandis*; p, *Euzophera semifuneralis*.  
 CRAMBIDAE: q, *Chilo* sp. near *plejudellus*; r, *Crambus trisetus*. GEOMETRIDAE: s,  
*Coryphista meadii*. LYMANTRIIDAE: t, tussock moth. NOTODONTIDAE: u, *Datana minis-*  
*tra*; v, *Fentonia marthesia*. PHALAEINIDAE: w, *Achatodes zeae*; x, *Alabama argillacea*;  
 y, *Anticarsia gemmatilis*. NYMPHALIDAE: z, ?*Asterocampa clyton*. PAPILIONIDAE: aa,  
*Papilio marcellus*. ICHNEUMONIDAE: bb, *Gambrus extrematis*. Miscellaneous: cc, leaf  
 roller on *Fragaria* sp.

**Coccygomimus aquilonius** (Cresson) new combination

- Pimpla aquilonia* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♂. [key,  
 o.d., Me. (A.N.S.P.)]  
*Meniscus marginatus* Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 802).  
 ♀. [o.d., Quebec, Que. (M.P.Q.)]  
*Bassus cylindricus* Provancher, Addit. Faune Canada, Hymén., 1889, p. 111.  
 ♂, ♀. [o.d., Ottawa, Ont. and Cap Rouge, Que. (M.P.Q.)]  
*Pimpla inquisitor* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]  
 Misdetermined.  
*Pimpla annulipes* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.  
 (in part)]  
*Pimpla annulipes* Davis, Canad. Ent., 1894, 26: 321. [syn. (in part)]  
*Pimpla annulipes* Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn. (in part)]  
*Itopectis exareolata* Ashmead, Psyche, 1901, 9: 147. ♀. [o.d., Las Vegas  
 Range between Pecos and Sapella rivers, 11,000 ft., N.M. (U.S.N.M.)]  
 New synonymy.  
*Pimpla yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 200. ♂.  
 [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.  
*Scambus* (*Itopectis*) *marginatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 322. [syn. (in part)]  
*Itopectis marginatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
 [Minn.]  
*Pimplidea tenuicornis* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key,  
 syn. (in part)]

- Iseropus coelebs* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 12. [syn. (in part)]  
*Ephialtes* (*Ephialtes*) *yakutatensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 334. ♂. [key, des., Alaska]  
*Ephialtes* (*Ephialtes*) *aquilonia* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. [key, des.]  
*Ephialtes* (*Ephialtes*) *exareolata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 337. ♀. [key, des.]  
*Ephialtes aquilonia* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]  
*Ephialtes* (*Ephialtes*) *aquilonia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [N.Y.]  
*Ephialtes aquilonia* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host a, Me.]  
*Pimpla aquilonia* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]  
*Pimpla aquilonia* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 303. ♂, ♀. [key, syn., des., fig., biol., host a, Alaska, Asia, Conn., Europe, Me., Mass., Minn., N.B., N.H., N.Y., N.S., Ont., Que., Sask.]  
 COLEOPHORIDAE: a, *Coleophora salmani*.

**Coccygomimus ellopiae** (Harrington) new combination

- Pimpla ellopiae* Harrington, Canad. Ent., 1892, 24: 99. ♂, ♀. [o.d., host a, Victoria, B.C. (C.N.C.)]  
*Pimpla ellopiae* Fletcher, Ann. Rpt. Exp. Farms Canada for 1892, 1893. [host a, B.C.]  
*Ephialtes* (*Ephialtes*) *ellopiae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 331. [key, des., Calif.]  
 GEOMETRIDAE: a, *Lambdina fiscellaria somniaria*.

**Coccygomimus inflatus** (Townes) new combination

- Pimpla inflata* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 306. ♂, ♀. [key, syn., o.d., fig., host a b c, Camp Roosevelt, Lake Sebago, Bear Mt. State Park, N.Y. (Townes Coll.), Ark., Fla., Ill., Ind., Mass., N.Y., Pa., Tex.]  
*Pimpla inflata* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]  
 OLETHREUTIDAE: a, *Carpocapsa pomonella*; b, *Grapholitha molesta*; c, *Gretchena bolliana*.

**Coccygomimus longigenalis** (Cushman) new combination

- Ephialtes* (*Ephialtes*) *longigenalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 332. ♀. [key, o.d., Tuolumne Meadows, Calif., 8600 ft. (U.S.N.M.)]

**Coccygomimus maurus** (Cresson) new combination

- Pimpla maura* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Tex. (A.N.S.P.)]  
*Pimpla maura* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]  
*Pimpla maura* Riley and Howard, Bull. U. S. Dept. Agr., Div. Ent., 1902, 38: 109. [host a, W.Va.]

*Pimpla maura* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 65. [key, des., Ga.]  
*Ephialtes (Ephialtes) maura* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 331.  
 [key, des., Tex.]

*Ephialtes maura* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

*Pimpla maura* Townes, Ann. Ent. Soc. Amer., 1940, 33: 300. [key, des., host  
 b, Fla., N.C., Tex.]

LASIOCAMPIDAE: a, *Malacosoma americanum*. LYMANTRIIDAE: b, *Hemerocampa  
 leucostigma*.

**Coccygomimus nudus** (Townes) new combination

*Pimpla nuda* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 306. ♀. [key,  
 o.d., fig., host a, Camp Roosevelt, Lake Sebago, Bear Mt. State Park, N.Y.  
 (Townes Coll.), Mich., Pa.]

MISCELLANEOUS: a, lepidopteran.

**Coccygomimus pedalis** (Cresson) new combination

*Pimpla pedalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 268. ♂. [o.d., Colo.  
 (A.N.S.P.)]

*Pimpla pedalis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

*Pimpla pedalis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 132. ♂, ♀. [des.]

*Pimpla pedalis* Provancher, Nat. Canad., 1873. ♂, ♀. [key, des., biol.,  
 Que.]

*Pimpla pedalis* Provancher, Nat. Canad., 1880, 12: 35; (Faune, p. 456). [key,  
 des., Que.]

*Pimpla pedalis* Bruner, Bull. Neb. Agr. Exp. Sta., 1890, 14: 37. [fig., host h]

*Pimpla pedalis* Smith, Rpt. N.J. Geologist, 1890. [N.J.]

*Pimpla pedalis* Davis, Insect Life, 1891, 4: 66. [host b]

*Pimpla pedalis* Davis, Ann. Rpt. Ent. Soc. Ont., 1892, 22: 82. [host a, Mich.]

*Pimpla pedalis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Pimpla pedalis* Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1892, 19: 116.  
 [host m, Mass.]

*Pimpla pedalis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

*Pimpla pedalis* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Pimpla pedalis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Pimpla pedalis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

*Pimpla pedalis* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host g, N.Y.]

*Pimpla pedalis* Weed, Bull. N.H. Agr. Exp. Sta., 1900, 75: 123. [biol., host h,  
 N.H.]

*Pimpla pedalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 474.  
 [N.J., N.Y.]

*Pimpla pedalis* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 201-202.  
 [biol., host g h s]

*Pimpla pedalis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293. [Ariz.]

*Pimpla pedalis* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Pimpla pedalis* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host k, Me.]

*Pimpla pedalis* Patch, Bull. Me. Agr. Exp. Sta., 1908, 161: 140. [biol., host  
 o, Me.]



- Pimpla pedalis* Fletcher, Rpt. Canad. Exp. Farms for 1907-08, 1908, p. 209.  
[host *g*, eastern Canada]
- Pimpla pedalis* Fiske and Burgess, Jour. Econ. Ent., 1910, 3: 392. [host *o*]
- Pimpla pedalis* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91:  
137-138, 144, 147-149, 237-239. [biol., host *k m*, Mass.]
- Pimpla pedalis* Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102. [host *c*]
- Pimplidea pedalis* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 117. [syn.]
- Pimpla pedalis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 63. [key, des.,  
?Canada, Me., N.J., N.Y.]
- Pimpla pedalis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Scambus (Pimplidea) pedalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 320, 323. [key, des., parasite *a*, Conn.]
- Scambus pedalis* Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host *r*]
- Pimplidea pedalis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]
- Ephialtes (Ephialtes) pedalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 333.  
[key, des., host *h j l p*, B.C., Calif., Colo., Mass., Mich., Minn., N.H., N.M.,  
N.Y., N.S., Pa., Wash., Wis., Va.]
- Ephialtes pedalis* Glendenning, Pamphlet Canad. Dept. Agr., 1924, 50: 13.  
[host *n*, B.C.]
- Ephialtis (!) pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 17. [host *h*,  
Sask.]
- Ephialtes pedalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes (Ephialtes) pedalis* Collins, Jour. Agr. Res., 1926, 32: 693. [host *o*,  
New England]
- Ephialtes pedalis* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [host *e*,  
Mich.] Not fig. 7.
- Pimpla pedalis* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14.  
[host *n*, B.C., New England]
- Ephialtes pedalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Ephialtes pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Ephialtes (Ephialtes) pedalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 936. [N.Y.]
- Ephialtes pedalis* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Ephialtes pedalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:  
102. [Mass.]
- Pimpla pedalis* Maheux, Nat. Canad., 1930, 57: 249. [host *i*, Que.]
- Ephialtes pedalis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host  
*h*, Ut.]
- Ephialtes pedalis* Schedl, Ztschr. Angew. Ent., 1931, 18: 268-270. [biol., host *e*]
- Ephialtes pedalis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,  
188: 142. [biol., host *g i o r*]
- Ephialtes pedalis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ephialtes pedalis* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *e*, Ont.]

- Ephialtes pedalis* Felt and Bromley, Jour. Econ. Ent., 1937, 30: 74. [host *g*, Conn.]
- Ephialtes pedalis* Gilliatt, Canad. Ent., 1937, 69: 145. [host *d*, N.S.]
- Ephialtes pedalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]
- Ephialtes* (*Ephialtes*) *pedalis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731, 737. [fig. ♂ genitalia]
- Pimpla pedalis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Ephialtes pedalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Pimpla pedalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 301. [key, des., fig., biol., Alta., Ariz., B.C., Calif., Mass., Mich., N.M., N.J., N.Y., N.S., Ohio, Ont., Que., R.I., Sask., Vt.]
- Ephialtes pedalis* Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16, 17. [host *t u*, Me.]
- Pimpla pedalis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host *f*, Canada]

CERAMBYCIDAE: a, *Saperda concolor*; b, *Saperda* sp. TORTRICIDAE: c, *Archips argyrospila*; d, *Argyrotaenia mariana*. GEOMETRIDAE: e, *Lambdina fiscellaria fiscellaria*; f, *Protopoarma porcelaria*. LASIOCAMPIDAE: g, *Malacosoma americanum*; h, *Malacosoma disstria*. LYMANTRIIDAE: i, *Hemerocampa leucostigma*; j, *Notolophus antiquus badius*; k, *Nygmia phaeorrhea*; l, *Olene plagiata pinicola*; m, *Porthetria dispar*; n, *Stilpnotia salicis*. NOTODONTIDAE: o, *Heterocampa guttivitta*. PHALAENIDAE: p, *Cirphis unipuncta*. ARCTIIDAE: q, *Halisidota maculata*; r, *Halisidota* sp.; s, *Isia isabella*. DIPRIONIDAE: t, *Diprion hercyniae*; u, *Neodiprion* sp.

Parasite: ICHNEUMONIDAE: a, ?*Theronia hilaris*.

**Coccygomimus punicipes** (Cresson) new combination

- Pimpla punicipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 398. ♀. [o.d., Orizaba, Mexico (A.N.S.P.)]
- Pimpla feralis* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 399. ♂. [o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.
- Pimpla puniceipes* Dalla Torre, Cat. Hymen., 1901, 3: 446. Emendation of *Pimpla punicipes* Cresson.
- Ephialtes* (*Ephialtes*) *punicipes* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 336. [key, des., Tex.]

**Coccygomimus sanguineipes** (Cresson) new combination

- Pimpla sanguineipes* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. ♀. [o.d. Bosque Co., Tex. (U.S.N.M.)]
- Pimpla sanguinipes* (!) Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla* (*Pimpla*) *erythropus* Viereck, Ent. News, 1909, 20: 291. ♀. [o.d., Sommerdale, Calif. (U.S.N.M.)]
- Pimpla sanguinipes* (!) Ainslie, Bull. U. S. Dept. Agr., Bur. Ent., 1910, 85: 88. [fig., host *p*, N.M.]
- Ephialtes* (*Ephialtes*) *sanguineipes* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 335. [key, syn., des., host *c i j k n o*, B.C., Calif., Colo., N.M., Ore., Tex., Wash.]

- Ephialtes sanguinipes* (!) Wakeland, Cir. State Ent. Colo., 1920, 28: 19. [host *m*, Colo.]  
*Pimplidea sanguineipes* Chittenden, Canad. Ent., 1922, 54: 174. [host *f*, Calif.]  
*Ephialtes sanguineipes* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 9. [syn., des. (in part)]  
*Ephialtes sanguineipes* Flanders, Pan-Pacific Ent., 1926, 2: 185. [host *c*, Calif.]  
*Ephialtes sanguineipes* Flanders, Pan-Pacific Ent., 1926, 3: 44. [host *c*, Calif.]  
*Ephialtes sanguinipes* (!) Pack, Bull. Ut. Agr. Exp. Sta., 1930, 216: 10-11. [biol., host *d*, Ut.]  
*Ephialtes sanguineipes* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *d*, Ut.]  
*Ephialtes sanguinipes* (!) Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host *h*, Ore.]  
*Ephialtes sanguineipes* Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *l*]  
*Ephialtes sanguineipes* Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host *a*, Calif.]  
*Ephialtes sanguineipes* McKenzie, Monthly Bull. Calif. Dept. Agr., 1933, 22: 412. [host *g*, Calif.]  
*Ephialtes sanguineipes* Donohoe and Kaloostian, Jour. Econ. Ent., 1937, 30: 967. [host *e*, Calif.]  
*Ephialtes sanguineipes* Bedard, Canad. Ent., 1938, 70: 195. [host *b*, Ida.]  
*Ephialtes sanguineipes* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

GELECHIIDAE: *a*, *Anarsia lineatella*. TORTRICIDAE: *b*, *Archips fumiferana*. OLETHREUTIDAE: *c*, *Carpocapsa pomonella*. PHYCITIDAE: *d*, *Zophodia convolutella*. PYRAUSTIDAE: *e*, *Desmia funeralis*; *f*, *Phlyctaenia rubigalis*; *g*, *Tholeria reversalis*. GEOMETRIDAE: *h*, *Lambdina* sp.; *i*, *Prochoerodes forficaria catenulata*. LASIOCAMPIDAE: *j*, *Malacosoma fragile*. LYMANTRIIDAE: *k*, *Hemerocampa oslari*; *l*, *Hemerocampa pseudotsugata*. PHALAENIDAE: *m*, *Peridromia margaritosa*. ARCTIIDAE: *n*, *Diacrisia virginica*. SATURNIIDAE: *o*, *Hemileuca maia*; *p*, *Hemileuca oliviae*.

**Coccygomimus silvicola** (Walley) new combination

*Pimpla silvicola* Walley, Canad. Ent., 1941, 73: 164. ♂, ♀. [o.d., Steelhead, B.C. (C.N.C.), Ore., Wash.]

**Coccygomimus sodalis** (Ruthe) new combination

- Pimpla sodalis* Ruthe, Stettin. Ent. Ztg., 1859, 20: 371. ♂, ♀. [o.d., Iceland (location of type unknown)]  
*Pimpla Nordenskiöldii* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 97. [Greenland]  
*Pimpla Nordenskiöldi* Aurivillius, Bihang. Svensk. Vet.-Akad. Handl., 1890, 15: 29. [Greenland]  
*Pimpla* sp. Lundbeck, Meddel. om Grønland, 1895, 19: 109. [host *a*, Greenland]  
*Pimpla Nordenskiöldii* Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 230. [Greenland]

- Pimpla Nordenskiöldii* Nielsen, Meddel. om Grønland, 1907, 29: 385. [host *a*, Greenland]  
*Pimpla sodalis* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. ♀. [syn., des., Greenland]  
*Pimpla sodalis* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 529. [syn., Greenland]  
*Ephialtes (Ephialtes) sodalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 332. [key, des.]  
*Pimpla sodalis* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 8. [Europe, Greenland]  
*Pimpla sodalis* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 608. [Greenland, Iceland, Norway, Pyrenees, Scotland, Switzerland]  
*Pimplidea sodalis* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]  
*Pimpla sodalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 300. [key, des., Alaska, Man.] "Ont." in reference was an error for Man.  
*Pimpla sodalis* Walley, Canad. Ent., 1941, 73: 165. [Baffin Is.]  
 NYMPHALIDAE: *a*, *Argynnis* sp.

***Coccygomimus tenuicornis* (Cresson) new combination**

- Pimpla tenuicornis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]  
*Pimpla tenuicornis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]  
*Pimpla tenuicornis* Provancher, Nat. Canad., 1873, 5: 451. ♂, ♀. [key, des., Que.]  
*Pimpla tenuicornis* Provancher, Nat. Canad., 1880, 12: 35; (Faune, p. 457). [key, des., Que.]  
*Pimpla tenuicornis* Provancher, Nat. Canad., 1887, 16: 34, 46. [Que.]  
*Pimpla tenuicornis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Pimpla tenuicornis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]  
*Pimpla tenuicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [host *a*, N.J.]  
*Pimpla tenuicornis* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Pimpla tenuicornis* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 138. Note on Forbush and Fernald record.  
*Pimpla turionellae* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 66. [syn., des. (in part)]  
*Pimpla tenuicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]  
*Scambus (Delomerista) tenuicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [des., Conn.]  
*Scambus (Pimplidea) turionellae* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [syn., des., N.Y. (in part)]  
*Pimplidea tenuicornis* Cushman, Proc. Ent. Soc. Wash., 1918, 20: 9-10. [key, syn. (in part)]  
*Itoplectis tenuicornis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Ephialtes (Ephialtes) tenuicornis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 338. [key, syn., des., B.C., Colo., Ill., Mass., Mich., N.B., N.H., N.J., N.Y., N.S., Vt. (in part)]
- Ephialtes tenuicornis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Ephialtes (Ephialtes) tenuicornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [N.Y.]
- Ephialtes tenuicornis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Ephialtes tenuicornis* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Ephialtes tenuicornis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Ephialtes tenuicornis* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]
- Ephialtes tenuicornis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ephialtes (Ephialtes) tenuicornis* Gilliatt, Canad. Ent., 1937, 69: 145. [host b, N.S.]
- Ephialtes tenuicornis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Pimpla tenuicornis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Pimpla tenuicornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 305. [key, des., fig., biol., Colo., Mass., Mich., N.B., N.H., N.Y., N.S., Ont., Que., R.I., Sask., Vt.]
- AEGERIIDAE: a, *Alcathoe caudata*. TORTRICIDAE: b, *Argyrotaenia mariana*.

**EPHIALTES** Schrank \*

- Ephialtes* Schrank, Fauna Boica, 1802, 2: 316.
- Genotype: *Ichneumon compunctor* Linnaeus.
- Apechthis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.
- Genotype: (*Pimpla rubata* (!) Gravenhorst) = *rufatus* Gmelin.
- Apechthis* Thomson, Opusc. Ent., 1889, 12: 1410.
- Genotype: *Apechthis flavonotata* Holmgren.
- Ephialtes annulicornis*** (Cresson) new combination
- Pimpla annulicornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 147. ♂, ♀. [key, o.d., Ill. (A.N.S.P.) Pa.]
- Pimpla annulicornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn. (in part)]
- Pimpla annulicornis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 135. ♂, ♀. [des.]
- Pimpla annulicornis* Provancher, Nat. Canad., 1880, 12: 37; (Faune, p. 458). ♂, ♀. [key, des., Que.]
- Pimpla annulicornis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Pimpla annulicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

\* In 1940 I used the name *Apechthis* for this genus, following a conservative course because it seemed then that the International Commission would soon make a *nomen conservandum* of *Ephialtes*. This does not now seem likely, so the rules of nomenclature are applied.

- Scambus* (*Pimplidea*?) *annulicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321. [key]
- Scambus* (*Apechthis*) *annulicornis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]
- Apechthis picticornis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352, pl. 21. [key, syn., des., fig.] In part, not Cresson.
- Apechthis picticornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.] Misdetermined.
- ?*Apechthis picticornis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, Mass.] Misdetermined?
- Apechthis annulicornis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Apechthis annulicornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 312. [key, syn., des., Conn., Md., Mass., Mich., N.J., N.Y., Pa., R.I.]
- Apechthis annulicornis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- GEOMETRIDAE: *a*, ?*Ennomos subsignarius*.

**Ephialtes componotus** (Davis) new combination

- Pimpla componotus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 367. ♂. [o.d., Moscow, Ida. (A.N.S.P.)]
- Apechthis componotus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352. [key, des.]

**Ephialtes ontario** (Cresson) new combination

- Pimpla ontario* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., Canada (A.N.S.P.)]
- Pimpla ontario* Provancher, Nat. Canad. 1880, 12: 37; (Faune, p. 458). ♂, ♀. [key, des., Que.]
- Pimpla Ontario* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla ontario* Johannsen, Bull. Me. Agr. Exp. Sta., 1913, 210: 27. [host *a*, Me.]
- Apechthis ontario* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 33. [key, des., N.S.]
- Apechthis ontario* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 354. [key, des., host *a*, B.C., Calif., Ida., Mich., Ont., Que., Wash.]
- Apechthis ontario* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [host *a*, Me.]
- Apechthis ontario* Schedl, Canad. Ent., 1932, 64: 2. [host *c*, N.S.]
- Apechthis ontario* Hopping, Sci. Agr., 1934, 15: 22. [host *g*, B.C.]
- Apechthis ontario* Gilliatt, Canad. Ent., 1937, 69: 145. [host *b*, N.S.]
- Apechthis ontario* Peck, Canad. Jour. Res., 1937, D, 15: 248. [fig. ♂ genitalia]
- Apechthis ontario* Bedard, Canad. Ent., 1938, 70: 195. [Ida.]
- Apechthis ontario* Townes, Ann. Ent. Soc. Amer., 1940, 33: 310. [key, des., host *a d*, Alaska, B.C., Calif., Ida., Mich., N.Y., N.S., Ont., Que., Wash.]
- Apechthis ontario* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 11, 12, 14. [host *a e f h*, Canada]

TORTRICIDAE: a, *Archips fumiferana*; b, *Argyrotaenia mariana*; c, *Peronea variana*; d, "Tortrix" sp. on wild pea. GEOMETRIDAE: e, *Lambdina fiscellaria fiscellaria*; f, *Lambdina fiscellaria lugubrosa*; g, *Lambdina fiscellaria somnaria*; h, *Nepytia canosaria*.

**Ephialtes pacificus** (Cushman) new combination

*Apechthis pacificus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 353. ♂, ♀. [key, o.d., host a, Portland Ore. (U.S.N.M.)]

LYMANTRIIDAE: a, *Notolophus antiquus*.

**Ephialtes picticornis** (Cresson) new combination

*Pimpla picticornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 146. ♂. [key, o.d., N.J. (A.N.S.P.)]

*Pimpla picticornis* Provancher, Nat. Canad., 1880, 12: 38; (Faune, p. 459). ♂. [key, des., Que.]

*Pimpla picticornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

*Pimpla picticornis* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Apechthis annulicornis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 33. [key, des., Hudson Bay, N.S.] Misdetermined.

*Scambus (Tromatobia?) picticornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 322. [key]

*Apechthis picticornis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 352. pl. 21. [key, syn., des., fig., (in part)]

*Scambus picticornis* Leiby, Bull. N.C. Dept. Agr. Feb., 1925, p. 9. [host b]

*Apechthis picticornis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Apechthis picticornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Apechthis (!) picticornis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Apechthis ornatulus* Walley, Canad. Ent., 1929, 41: 190. ♂. [o.d., host a, Aweme, Man. (C.N.C.), Alta.]

*Apechthis picticornis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

*Apechthis picticornis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

*Apechthis picticornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 313. [key, syn., des., Me., Mich., N.H., N.Y., Que.]

TORTRICIDAE: a, tortricid pupa. PHYCITIDAE: b, *Acrobasis juglandis*.

**ITOPLECTIS** Foerster

*Itopectis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 164.

Genotype: (*Ichneumon scanicus* Villers) = *maculator* Fabricius.

*Nesopimpla* Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 180.

Genotype: *Nesopimpla naranyae* Ashmead

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***Itoplectis atrocoxalis* (Cresson)**

*Pimpla atrocoxalis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 145. ♀. [key, o.d., Hudson Bay Terr. (A.N.S.P.)]

*Pimpla atrocoxalis* Harrington, Canad. Ent., 1897, 29: 46. [host *c*, B.C.]

*Pimpla atrocoxalis* Cockerell, Ent. News, 1901, 12: 25. [host *b*, N.M.]

*Pimpla atrocoxalis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. [N.M.]

*Ephialtes (Itoplectis) atrocoxalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 341. [key, des., host *b e*, Calif., Colo., N.M., Nev., Ut.]

*Ephialtes (Itoplectis) atrocoxalis* Spencer, Proc. Ent. Soc. B.C., 1936, 32: 27. [host *e*, B.C.]

*Itoplectis atrocoxalis* Knowlton and Allen, Jour. Econ. Ent., 1937, 30: 784. [host *a*, Ut.]

*Ephialtes (Itoplectis) atrocoxalis* Jones, Webber, and Dowden, Cir. U. S. Dept. Agr., 1938, 459: 22. [host *d*, Wash.]

*Itoplectis atrocoxalis* Bedard, Canad. Ent., 1938, 70: 194. [Ida.]

*Itoplectis atrocoxalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *c f*, Ut.]

*Itoplectis atrocoxalis* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 362. [syn.]

TORTRICIDAE: *a*, *Archips rosaceana*. LASIOCAMPIDAE: *b*, *Malacosoma fragile*; *c*, *Malacosoma* sp. LYMANTRIIDAE: *d*, *Stilpnotia salicis*. PHALAENIDAE: *e*, *Autographa californica*. Miscellaneous: *f*, cutworm.

***Itoplectis behrensii* (Cresson)**

*Pimpla Behrensii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 377. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

*Pimpla behrensii* (!) Doane, Jour. Econ. Ent., 1912, 5: 346. [host *a*, Calif.]

*Itoplectis behrensi* Burke, Proc. Ent. Soc. Wash., 1919, 21: 125. [host *a*]

*Itoplectis behrensi* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524. [host *a*, parasite *a*, Calif.]

*Ephialtes (Itoplectis) behrensii* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 343. [key, des., host *a*, Calif.]

*Itoplectis behrensi* Burke and Herbert, Farmer's Bull. U. S. Dept. Agr., 1920, 1076: 10. [fig., host *a*]

*Itoplectis behrensi* Essig, Ins. of Western N. Amer., 1926, p. 798. [des., fig., Calif.]

DIOPTIDAE: *a*, *Phryganidea californica*.

Parasite. ICHNEUMONIDAE: *a*, *Mastrus aciculatus*.

***Itoplectis brevacus* Townes**

*Itoplectis brevacus* Townes, Ann. Ent. Soc. Amer., 1940, 33: 315. ♀. [key, o.d., Bar Harbor, Me. (U.S.N.M.)]

***Itoplectis clavicornis* Thomson**

*Pimpla (Itoplectis) clavicornis* Thomson, Opusc. Ent., 1889, 13: 1409. ♀. [o.d., "Pålsjö nära Helsingborg" Sweden (?Lund Mus.)]

*Itoplectis clavicornis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 315. ♂, ♀. [key, des., host, Italy, N.Y.]



**Itoplectis conquisitor** (Say)

?*Ichneumon concitator* (!) Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.

[Mass.] *Nomen nudum*.

*Cryptus conquisitor* Say, Boston Jour. Nat. Hist., 1836, 1: 232; (Leconte Ed., 2: 689). ♀. [o.d., Ind. (type destroyed)]

*Cryptus pleurivinctus* Say, Boston Jour. Nat. Hist., 1836, 1: 235; (Leconte Ed., 2: 691). ♂, ♀. [o.d., host *c*, Md. (type destroyed)]

[not named] Gorham, Comm. Rev. South and West, 1847, 3: 539-541. [des., biol., host *sss*, La.]

*Pimpla conquisitor* Brackett, Practical Ent., 1865, 1: 19. [biol., host *hhh*, Me.]

*Pimpla conquisitor* Walsh, Canad. Ent., 1869, 2: 12. [syn., des.]

?*Ichneumon concitator* (!) Harris, Occasional Papers Boston Soc. Nat. Hist., 1869, 1: 242. [host *hhh*]

*Pimpla conquisitor* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 144. [key]

*Pimpla annulicornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn. (in part)]

*Pimpla conquisitor* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 165. [Tex.]

*Pimpla conquisitor* Riley, Ann. Rpt. Insects Mo., 1872, 4: 43. [host *uu*]

*Pimpla conquisitor* Provancher, Nat. Canad., 1873, 5: 451. [key, des., Que.]

*Pimpla pictipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 135. ♀. [o.d., (?Ill.) (type destroyed)] Preoccupied by Gravenhorst, 1829.

*Pimpla conquisitor* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 137. ♂, ♀. [syn., des.]

*Pimpla conquisitor* Comstock, Rpt. U. S. Dept. Agr. Comm. Agr., 1879, p. 220. [host *zz*]

*Pimpla conquisitor* Comstock, Rpt. on Cotton Insects, 1879, p. 198-200. [syn., des., fig., biol., host *sss*, Ala.]

*Pimpla conquisitor* Provancher, Nat. Canad. 1880 12: 42; (Faune, p. 463). [key, des.]

*Pimpla conquisitor* Lintner, Ann. Rpt. Injurious Insects N.Y., 1882, 1: 85. [host *c*, N.Y.]

*Pimpla conquisitor* Riley, Rpt. U. S. Dept. Agr. Ent. Comm. 1886, 4: 111-113. [des., fig., biol., host *sss*]

*Pimpla conquisitor* Taylor, Canad. Ent., 1884, 16: 92. [B.C.]

*Pimpla conquisitor* Weed, Psyche, 1888, 5: 51. [host *lll*, Ohio]

*Pimpla conquisitor* Riley and Howard, Insect Life, 1888, 1: 161. [host *c yy hhh sss*]

*Pimpla conquisitor* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]

*Pimpla conquisitor* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Pimpla conquisitor* Riley and Howard, Insect Life, 1891, 3: 462. [host *c lll sss*, Calif., Del., D.C., Ga., Miss., Mo., N.J., Tex., Wis. (in part)]

*Pimpla conquisitor* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Pimpla conquisitor* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *oooo*, W.Va.]

*Pimpla conquisitor* Slosson, Ent. News, 1895, 6: 317. [N.H.]

- Pimpla tenuicornis* Forbush and Fernald, The Gypsy Moth, 1896, p. 375.  
[host *qqq*] Misdetermined.
- Pimpla conquisitor* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Pimpla conquisitor* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 18-19. [fig., biol., host *lll*, D.C.]
- Pimpla conquisitor* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]
- Pimpla conquisitor* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [fig., host *hhh*, N.Y.]
- Pimpla conquisitor* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *ww ccc lll*, Mass., N.H.]
- Pimpla conquisitor* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Pimpla conquisitor* Weed and Fiske, Bull. U. S. Dept. Agr. Div. Ent., 1900, 26: 33-34. [biol., host *hhh kkkk*]
- Pimpla conquisitor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [fig., N.J., N.Y.]
- Pimpla conquisitor* Felt, Bull. N.Y. State Mus., 1900, 8, no. 37: 44. [host *iii*, N.Y.]
- Pimpla conquisitor* Weed, Bull. N.H. Agr. Exp. Sta., 1900, 75: 123. [fig., biol., host *iii*]
- Pimpla walshii* Dalla Torre, Cat. Hymen., 1901, 3: 454. New name for *Pimpla pictipes* Walsh.
- Pimpla conquisitor* Howard, The Insect Book, 1902, plate 9, fig. 10.
- Pimpla conquisitor* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 187-198. [fig., biol., host *hhh iii gggg kkkk mmmm*, parasite *b c d*]
- Pimpla conquisitor* Gossard, Bull. Fla. Agr. Exp. Sta., 1905, 79: 295. [host *uu*, Fla.]
- Pimpla conquisitor* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Pimpla conquisitor?* Smith, Ann. Rpt. N.J. Agr. Exp. Sta., 1907, 28: 419. [biol., host *c*, N.J.]
- Pimpla conquisitor* Patch, Bull. Me. Agr. Exp. Sta., 1907, 148: 265. [host *n*, Me.]
- Pimpla conquisitor* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *ooo*, Me.]
- Pimpla conquisitor* Schoene, Bull. N.Y. Agr. Exp. Sta., 1909, 312: 47. [host *lll*, N.Y.]
- Pimpla conquisitor* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Pimpla conquisitor* Ainslie, Bull. U. S. Dept. Agr., Bur. Ent., 1910, 85: 88, 89. [fig., host *aaaa*, N.M.]
- Pimpla conquisitor* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 137, 138, 144, 147-149, 238. [biol., host *kkk lll ooo qqq*, Mass.]
- Itoplectis conquisitor* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *kk*, Pa.]
- Pimpla conquisitor* Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 286. [fig., host *m*, N.Y.]

- Pimpla conquisitor* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *c*, Mo.]
- Itopectis conquisitor* Gill, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 116: 102. [host *m*]
- Pimpla (Itopectis) conquisitor* Johnston, Jour. Econ. Ent., 1913, 6: 144-147. [biol., host *uuu*]
- Pimpla conquisitor* Britton, Rpt. Conn. Agr. Exp. Sta., 1914, 13: 228. [host *hh*, Conn.]
- Pimpla conquisitor* Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host *y*, Mass.]
- Apechthis conquisitor* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 32. [key, des., host *c*, Ga., Me., Mass., Mexico, N.Y., N.S., western Canada]
- Pimpla (Itopectis) conquisitor* Duporte, Ann. Rpt. Que. Soc. Protect. Plants, 1915, 7: 76. [host *oo nnnn*, Que.]
- Pimpla conquisitor* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [fig., host *m*, N.Y.]
- Itopectis conquisitor* Johnson, Psyche, 1916, 23: 81. [host *n*, Vt.]
- Pimpla conquisitor* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Pimpla conquisitor* Wildermuth, Bull. U. S. Dept. Agr., 1916, 443: 10. [fig., host *aaaa*]
- Itopectis conquisitor* Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *uu*, Fla.]
- Pimpla conquisitor* DuPorte, Ann. Rpt. Que. Soc. Protect. Plants, 1917, 9: 133. [fig., host *oo*, Que.]
- Scambus (Itopectis) conquisitor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 321, 340. [key, host *hhh*, parasite *a*, Conn.]
- Itopectis conquisitor* Hawley, Mem. Cornell Univ. Agr. Exp. Sta., 1918, 15: 218. [host *p*, N.Y.]
- Scambus conquisitor* Baird, Agr. Gaz. Canad., 1918, 5: 770, 771. [biol., host *n*, N.B.]
- Itopectis conquisitor* Hartzell, Jour. Econ. Ent., 1919, 12: 237. [host *r*, N.Y.]
- Itopectis conquisitor* Stearns, Jour. Econ. Ent., 1919, 12: 348. [host *jj*, Va.]
- Ephialtes (Itopectis) conquisitor* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 347. ♂, ♀. [key, syn., des., biol., host *a c j m o r s w x y aa bb cc dd kk mm oo pp qq rr ss vv ww xx zz aaa eee hhh lll mmm sss ttt uuu vvv www yyy hhhh jjjj llll rrrr*, Bermuda Is., Ga., Que., Tex., United States east of Rocky Mts.]
- Ephialtes (Itopectis) temnopleuris* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. ♀. [key, o.d., host *eeee*, "U. S." (U.S.N.M.)]
- Itopectis conquisitor* Regan, Bull. Univ. Mont. Agr. Exp. Sta., 1923, 154: 53. [host *m*, Mont.]
- Pimpla conquisitor* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923, 189: 47. [host *gg*, Ark.]
- Itopectis conquisitor* Fracker, Bull. Wis. Dept. Agr., 1923, 52: 80. [host *ppp*, Wis.]
- Itopectis conquisitor* Criddle, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 17-18. [biol., host *ee iii jjj xxx*, Sask.]

- Itoplectis conquisitor* Twinn, Ann. Rpt. Ent. Soc. Ont., 1924, 54: 86. [host dddd, Ont.]
- Itoplectis conquisitor* Lewis, Jour. Econ. Ent., 1925, 18: 611. [host ?ff, Ohio]
- Itoplectis conquisitor* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host t, Pa.]
- Pimpla conquisitor* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 54. [host h, N.J.]
- Itoplectis conquisitor* Leiby, Bull. N.C. Dept. Agr. Feb., 1925, p. 9. [host uu]
- Itoplectis conquisitor* Lewis, Jour. Econ. Ent., 1925, 18: 611. [host ?ff]
- Itoplectis conquisitor* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 41. [biol.]
- Itoplectis conquisitor* (!) Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16-17. [fig., host l, Va.]
- Ephialtes (Itoplectis) conquisitor* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Itoplectis conquisitor* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host jj, N.J.]
- Pimpla conquisitor* Swenk, Res. Bull. Neb. Agr. Exp. Sta., 1927, 40: 45-46. [host ll, Neb.]
- Itoplectis conquisitor* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig., host ddd, Mich.] Fig. 7 is mislabeled *Ephialtes pedalis*.
- Itoplectis conquisitor* Cushman, Jour. Agr. Res., 1927, 34: 619. [biol., host mm]
- Itoplectis conquisitor* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14. [host rrr, New England]
- Itoplectis conquisitor* Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host nn, Neb.]
- Ephialtes (Itoplectis) conquisitor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]
- Ephialtes (Itoplectis) conquisitor* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 17. [host ffff]
- Itoplectis conquisitor* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146, 147. [host c sss, Va.]
- Ephialtes (Itoplectis) conquisitor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [host, N.Y.]
- Itoplectis conquisitor* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Itoplectis conquisitor* Phipps, Bull. Me. Agr. Exp. Sta., 1928, 345: 47. [host ccc, Me.]
- Itoplectis conquisitor* Salman, Ann. Ent. Soc. Amer., 1929, 22: 488. [host f, Me.]
- Itoplectis conquisitor* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host jj, Ont.]
- Itoplectis conquisitor* Tessier, Nat. Canad., 1930, 57: 64. [host ddd, Que.]
- Pimpla conquisitor* Maheux, Nat. Canad., 1930, 57: 249. [host ll, Que.]
- Ephialtes (Itoplectis) conquisitor* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]
- Itoplectis conquisitor* Haeussler, Jour. Agr. Res., 1930, 41: 367. [host jj, Pa.]
- Itoplectis conquisitor* Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host h, N.S.]
- Itoplectis conquisitor* Schedl, Ztschr. Angew. Ent., 1931, 18: 258-260. [fig., biol., host ddd iiiii]

- Itoplectis conquisitor* Fink, Jour. Agr. Res., 1932, 44: 555. [host *ff*, N.J.]
- Itoplectis conquisitor* Crowell, Psyche, 1932, 39: 102. [biol.; host *bbb*]
- Itoplectis conquisitor* Knull, Jour. Econ. Ent., 1932, 25: 1202. [host *eee*]
- Itoplectis conquisitor* Schedl, Canad. Ent., 1932, 64: 2. [host *z*, N.S.]
- Itoplectis conquisitor* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *f*, Me.]
- Pimpla conquisitor* Wildermuth and Frankenfeld, Jour. Econ. Ent., 1933, 26: 797. [host *aaaa*]
- Itoplectis conquisitor* Montgomery, Canad. Ent., 1933, 65: 186, 188. [host *c ii*, Ind.]
- Ephialtes conquisitor* Plumb and Friend, Bull. Conn. Agr. Exp. Sta., 1933, 347: 100. [host *eee*, Conn.]
- Itoplectis conquisitor* Doner, Ann. Ent. Soc. Amer., 1934, 27: 441. [host *e*, Wis.]
- Itoplectis conquisitor* Farquhar, Psyche, 1934, 41: 29. [host *b*, Mass.]
- Itoplectis conquisitor* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *ddd*, Ont.]
- Ephialtes (Itoplectis) conquisitor* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *c ccc eee hhh iii lll nnn www zzz bbbb cccc*, Conn., Me., Mass., N.H., N.J., N.Y., Pa., R.I.]
- Ephialtes conquisitor* Britton, Bull. Conn. Agr. Exp. Sta., 1935, 378: 77. [fig., host *hhh*, Conn.]
- Ephialtes conquisitor* Putman, Canad. Ent., 1935, 67: 107, 108, 109. [host *u v bb hh*, Ont.]
- Itoplectis conquisitor* Houser, Ann. Ent. Soc. Amer., 1935, 28: 106. [host *w*, Ohio]
- Itoplectis conquisitor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *jj*, Ont.]
- Scambus (Itoplectis) conquisitor* Underhill, Jour. Econ. Ent., 1935, 28: 396. [host *g*]
- Itoplectis conquisitor* Daviault, Nat. Canad., 1935, 62: 245, 318, 319. [biol., host *i*, Que.]
- Apechthis conquisitor* Eidmann, Arb. Morph. u. Tax. Ent., 1935, 2: 102. [Labrador, Mexico]
- Itoplectis conquisitor* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *ff jj*, Del.]
- Ephialtes (Itoplectis) conquisitor* Doner, Ann. Ent. Soc. Amer., 1936, 29: 228. [biol., Wis.]
- Itoplectis conquisitor* Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host *n*, Minn.]
- Itoplectis conquisitor* Balduf, Proc. Ent. Soc. Wash., 1937, 39: 173. [des., fig., biol., host *c*, Ill., N.J.]
- Itoplectis conquisitor* Peck, Canad. Jour. Res., 1937, D, 15: 245, 452. [fig. ♂ genitalia]
- Itoplectis conquisitor* Langford, Jour. Econ. Ent., 1937, 30: 322. [host *k*, Md.]
- Ephialtes (Itoplectis) conquisitor* Doner, Summ. Doctoral Disser. Univ. Wis., 1937, 1: 28. [host *e*, Wis.]

- Ephialtes (Itopectis) conquisitor* Gilliatt, Canad. Ent., 1937, 69: 145. [host *q*, N.S.]
- Ephialtes (Itopectis) conquisitor* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [Me.]
- Itopectis conquisitor* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [host *tt iii pppp qqgq*, Me.]
- Ephialtes conquisitor* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Ephialtes conquisitor* Twinn, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 131. [biol., host *o*, Man.]
- Ephialtes conquisitor* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70: 87. [Que.]
- Itopectis conquisitor* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Ephialtes conquisitor* Daviault, Nat. Canad., 1939, 66: 183. [host *n qq*, Que.]
- Itopectis conquisitor* Beaulne, Nat. Canad., 1939, 66: 95. [host *n*, Que.]
- Itopectis conquisitor* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Ephialtes (Itopectis) conquisitor* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]
- Itopectis conquisitor* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *d*, Va.]
- Ephialtes conquisitor* Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *ll*, B.C.]
- Itopectis conquisitor* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 316. [key, syn., des., fig., biol., host *fff*, Ark., Bermuda Is., Calif., Colo., Ill., Me., Mass., Mich., Mo., Mont., N.M., N.Y., N.D., Ont., Pa., Que., R.I., Tex., Va.]
- Itopectis conquisitor* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8, 11, 14. [host, *o ggg nnn*, Canada]
- Itopectis conquisitor* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *jj*, Del.]

CERAMBYCIDAE: a, *Oncideres cingulatus*. PSYCHIDAE: b, *Fumaria casta*; c, *Thyridopteryx ephemeriformis*. COLEOPHORIDAE: d, *Coleophora malivorella*; e, *Coleophora pruniella*; f, *Coleophora salmani*. AGERIIDAE: g, *Conopia scitula*. GLYPHIPTERYGIDAE: h, *Anthophila pariana*. OECOPHORIDAE: i, *Psilocorsis* sp. EPERMENIIDAE: j, *Epermenia cicutaella*. GELECHIIDAE: k, *Dichomeris marginella*; l, *Gnorimoschema operculella*. TORTRICIDAE: m, *Archips argyrosipila*; n, *Archips cerasivorana*; o, *Archips fumiferana*; p, *Archips rosaceana*; q, *Argyrotaenia mariana*; r, *Argyrotaenia pinatubana*; s, *Argyrotaenia quercifolia*; t, *Argyrotaenia velutinana*; u, *Argyrotoxa albicomana*; v, *Argyrotoxa semipurpurana*; w, *Homona fervidana*; x, *Peronea hastiana*; y, *Peronea minuta*; z, *Peronea variana*; aa, *Peronea* sp. on *Carpinus carolinana*; bb, *Sparganothis peltitana*; cc, tortricid on *Quercus* sp.; dd, tortricid on cedar; ee, tortricid. OLETHREUTIDAE: ff, *Ancylis comptana*; gg, *Carpocapsa pomonella*; hh, *Exartema cornanum*; ii, *Exartema ferriferanum*; jj, *Grapholitha molesta*; kk, *Polychrosis viteana*; ll, *Rhyacionia buoliana*; mm, *Rhyacionia frustrana*; nn, *Rhyacionia frustrana bushnelli*; oo, *Spilonota ocellana*. PTEROPHORIDAE: pp, *Pterophorus periscelidactylus*. PHYCITIDAE: qq, *Acrobasis betulella*; rr, *Acrobasis caryalbella*; ss, *Acrobasis caryivorella*; tt, *Acrobasis comptoniella*; uu, *Acrobasis juglandis*; vv, *Acrobasis kearfottella*; ww, *Acrobasis rubrifasciella*; xx, *Acrobasis* sp.; yy, *Mineola indi-*

*genella*. PYRAUSTIDAE: zz, *Diaphania hyalinata*; aaa, *Diaphania quadrastigmatis*; bbb, *Pyrausta nubilalis*. GEOMETRIDAE: ccc, *Cingilia catenaria*; ddd, *Lambdina fuscicollaria*; eee, *Ennomos subsignarius*; fff, *Nematocampa limbata*; ggg, *Nepytia canosaria*. LASIOCAMPIDAE: hhh, *Malacosoma americanum*; iii, *Malacosoma disstria*; jjj, *Malacosoma fragile*; kkk, *Malacosoma* sp. LYMANTRIIDAE: lll, *Hemerocampa leucostigma*; mmm, *Hemerocampa* sp.; nnn, *Notolophus antiquus*; ooo, *Nygmia phaeorrhea*; ppp, *Olene leucophaea*; qqq, *Porhetria dispar*; rrr, *Stilpnotia salicis*. PHALAENIDAE: sss, *Alabama argillacea*; ttt, *Anomis erosa*; uuu, *Autographa brassicae*; vvv, *Bleptina* sp. ARCTIIDAE: www, *Hyphantria cunea*; xxx, *Hyphantria* sp. SATURNIIDAE: yyy, *Hemileuca lucina*; zzz, *Hemileuca lucina* or *maia*; aaaa, *Hemileuca oliviae*. NYMPHALIDAE: bbbb, *Nymphalis antiopa*; cccc, *Vanessa cardui*. PIERIDAE: dddd, *Pieris rapae*. PAPILIONIDAE: eeee, *Papilio marcellus*. BRACONIDAE: ffff, *Apanteles melanoscelus*; gggg, *Rogas stigmator*; hhhh, *Rogas terminalis*. ICHNEUMONIDAE: iiiii, *Campoplegidea ellopiae*; jjjjj, *Gambrus extrematis*; kkkk, *Hyposoter fugitivus*; lllll, *Iseropus coelebs*; mmmmm, *Phobocampe disiocampae*. Miscellaneous: nnnnn, bud moth; ooooo, lepidopteran on *Aesculus* sp.; ppppp, lepidopteran on *Myrica gale*; qqqqq, leaf miners; rrrrr, leaf tyer on *Quercus* sp.

Parasite. ICHNEUMONIDAE: a, *Phobetes thyridopteryx*; b, *Theronia atalantae*. CHALCIDIDAE: c, *Dibrachys cavus*; d, *Coelopisthia suborbicularis*.

### *Itopectis evetriae* Viereck

*Itopectis evetriae* Viereck, Proc. U. S. Nat. Mus., Apr. 1913, 44: 565. ♂.

[o.d., host c, Yreka, Calif. (U.S.N.M.)]

*Itopectis plesia* Rohwer, Proc. Ent. Soc. Wash., Jan. 22, 1914, 15: 182. ♀.

[o.d., Camas, Mont. (U.S.N.M.)]

*Ephialtes (Itopectis) evetriae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 342.

[key, des., host a b e f, Mont., Ore.]

*Ephialtes evetriae* Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host d, B.C.]

OLETHREUTIDAE: a, *Barbara colfaxiana siskyouana*; b, *Barbara colfaxiana taxifoliella*; c, "*Evetria*" sp.; d, *Rhyacionia buoliana*. PHYCITIDAE: e, *Dioryctria cambicola*; f, *Dioryctria zimmermani*.

### *Itopectis obesus* Cushman

*Itopectis obesus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 467. ♂, ♀. [o.d., host n, Wenatchee, Wash. (U.S.N.M.)]

*Ephialtes (Itopectis) obesus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 344.

♂, ♀. [key, des., host d e h, B.C., Calif., Wash.]

*Ephialtes (Itopectis) latus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀.

[key, o.d., host a, Albee, Ore. (U.S.N.M., n. syn.), N.M., Wash.]

*Ephialtes (Itopectis) montana* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 346.

♀. [key, o.d., Colo. (U.S.N.M.), Alaska, N.M.] New synonymy.

*Ephialtes cacoeciae* Viereck, Canad. Ent., 1924, 56: 64. ♂, ♀. [o.d., host d, Vernon, B.C. (C.N.C.)] New synonymy.

*Ephialtes (Itopectis) montana* Viereck, Canad. Ent., 1924, 56: 65. [des.]

*Ephialtes (Itopectis) obesus* Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host k, Ore.]

*Itopectis montana* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

- Itoplectis montana* Schedl, Canad. Ent., 1932, 64: 2. [host *i*, B.C.]  
*Ephialtes obesus* Mathers, Forestry Chron., 1932, 8: 156. [host *e*, B.C.]  
*Itoplectis obesus* Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host *c*, Calif.]  
*Ephialtes (Itoplectis) obesus* Hopping, Sci. Agr., 1934, 15: 21, 22. [host *j*, B.C.]  
*Itoplectis obesus* Peck, Canad. Jour. Res., 1937, D, 15: 252. [fig. ♂ genitalia]  
*Itoplectis montana* Bedard, Canad. Ent., 1938, 70: 195. [host *l*, Ida.]  
*Itoplectis montana* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]  
*Itoplectis obesus* Townes, Ann. Ent. Soc. Amer., 1940, 33: 320. [key, des., host *b*, B.C., Ont., Wash.]  
*Ephialtes obesus* Mathers and Olds, Jour. Econ. Ent., 1940, 33: 941. [host *g*, B.C.]  
*Itoplectis montana* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 50, 51. [biol., host *m*, Ore.]  
*Ephialtes montana* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *f*, Canada]

PSYCHIDAE: *a*, *Hyaloscotes fragmentella*. OECOPHORIDAE: *b*, *Depressaria* sp. GELECHIIDAE: *c*, *Anarsia lineatella*. TORTRICIDAE: *d*, *Archips argyrospila*; *e*, *Archips fumiferana*; *f*, *Peronea variana*. OLETHREUTIDAE: *g*, *Rhyacionia buoliana*; *h*, *Spilonota ocellana*. GEOMETRIDAE: *i*, *Lambdina fiscellaria fiscellaria*; *j*, *Lambdina fiscellaria somnaria*; *k*, *Lambdina* sp. LYMANTRIIDAE: *l*, *Hemerocampa pseudotsugata*. DIPRIONIDAE: *m*, *Neodiprion tsugae*. Miscellaneous: *n*, fruit tree leaf roller.

#### *Itoplectis quadricingulatus* (Provancher)

- Pimpla 4-cingulatus* Provancher, Nat. Canad., 1881, 12: 38; (Faune, p. 459). ♀. [key, o.d., Que. (M.P.Q.)]  
 ?*Pimpla (Itoplectis) Kolthoffi* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. ♂, ♀. [o.d., Nunasarnausak and Auleitsivik, Greenland (location of type unknown)]  
*Pimpla 4-cingulata* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
 ?*Pimpla Kolthoffi* Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 230. [Greenland]  
 ?*Itoplectis Kolthoffi* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. [♂, ♀. des., Greenland]  
*Ephialtes (Itoplectis) quadricingulatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 344. [key, des.]  
*Ephialtes (Itoplectis) leavitti* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀. [key, o.d., St. Johns, N.B. (U.S.N.M.)]  
*Ephialtes (Itoplectis) pacificus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 345. ♀. [key, o.d., host *b h*, Menlo Park, Calif. (U.S.N.M.), B.C.] Preoccupied by Harrington, 1894. New synonymy.  
*Ephialtes (Itoplectis) esuchus* Cushman, Proc. Ent. Soc. Wash., 1924, 26: 221. [new name for *Ephialtes pacificus* Cushman]  
*Ephialtes (Itoplectis) leavitti* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]



- ?Pimpla (Itopectis) alternans kolthoffi* Roman, Arkiv för Zoologi, 1931, v. 23 A, no. 6: 3. [syn., Finland, Germany, Greenland, Sweden]  
*Itopectis leavitti* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]  
*Itopectis leavitti* Schedl, Canad. Ent., 1932, 64: 2. [host *e*, N.S.]  
*Itopectis leavitti* Daviault, Nat. Canad., 1935, 62: 239. [host *a*, Que.]  
*Ephialtes (Itopectis) leavitti* Gillialt, Canad. Ent., 1937, 69: 145. [host *d*, N.S.]  
*Itopectis esuchus* Bedard, Canad. Ent., 1938, 70: 194. [host *c*, Ida.]  
*?Itopectis alternans kolthoffi* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]  
*Itopectis leavitti* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [host *f*, Me.]  
*Itopectis quadricingulatus* Townes, Ann. Ent. Soc. Amer., 1940, 33: 321. ♂, ♀. [key, syn., des., host *c* g, Alaska, Me., N.S., Ont.]  
 GRACILARIIDAE: *a*, *Gracilaria alnivorella*. YPOMEUTIDAE: *b*, *Eucratia castella*.  
 TORTRICIDAE: *c*, *Archips fumiferana*; *d*, *Argyrotaenia mariana*; *e*, *Peronea variana*.  
 OLETHREUTIDAE: *f*, *Anchylopera* sp.; *g*, *?Ancylis comptana floridana*; *h*, *Carpocapsa pomonella*.

# Subfamily 1. ICHNEUMONINAE

## Tribe 4. LYCORINI

### TOXOPHOROIDES Cresson

- Toxophoroides* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 406.  
 Genotype: *Lycorina? apicalis* Cresson.  
*Chlorolycorina* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 9. New synonymy.  
 Genotype: *Glypta scitula* Cresson.

#### *Toxophoroides albomarginatus* (Cresson)

- Glypta albomarginata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., Me. (A.N.S.P.)]  
*Toxophoroides albomarginata* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. [syn.]  
*Chlorolycorina albomarginata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 10. ♂, ♀. [key, des., host *a* b, Ark., Conn., Wis.]  
*Chlorolycorina albomarginata* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]  
*Chlorolycorina albomarginata* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Chlorolycorina albomarginata* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]  
 GELECHIIDAE: *a*, *Dichomeris bipunctella*. PHYCITIDAE: *b*, *Psorosina hammondi*.

#### *Toxophoroides glaucomatus* Cushman

- Toxophoroides glaucomatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 12. ♀  
 [key, o.d., Plummer's Is., Md. (U.S.N.M.)]  
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**Toxophoroides scitulus** (Cresson)

*Glypta scitula* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., N.J. (A.N.S.P.)]

*Glypta scitula* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 129. ♀. [des.]

*Glypta scitula* Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, D.C.]

*Ctenochira scitula* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [syn.]

*Toxophoroides scitula* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 196. [syn.]

*Glypta* (*Toxophoroides*) *scitula* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

*Chlorolycorina scitula* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 9. [key, host *b*, biol., Fla.]

*Chlorolycorina scitula* Marshall and Musgrave, Canad. Ent., 1937, 69: 101. [host *c*, Ind.]

TINEIDAE: *a*, tineid on *Malus pumila*. EPIPASCHIIDAE: *b*, *Tetralopha subcanalis*. Miscellaneous: *c*, leaf roller on *Rubus allegheniensis*.

**Toxophoroides soror** (Cushman) new combination

*Chlorolycorina soror* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 10. ♀. [key, o.d., Las Cruces, N.M. (U.S.N.M.)]

**Toxophoroides xanthozonatus** (Ashmead)

*Glypta xanthozonata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 449. ♂. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

*Toxophoroides xanthozonata* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 195. [syn.]

*Toxophoroides xanthozonata* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 11. ♂. [key, des.]

TORTRICIDAE: *a*, tortricid on *Quercus* sp.

## Subfamily 1. ICHNEUMONINAE

## Tribe 5. EUGALTINI

**POEMENIA** Holmgren

*Poemenia* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh. 1859, 16: 130.

Genotype: *Poemenia notata* Holmgren.

*Calliclisis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Ephialtes hecticus* Gravenhorst.

*Phthinodes* Tschek, Verh. Zool.-Bot. Ges. Wien, 1868, 18: 272.

Genotype: *Ephialtes hecticus* Gravenhorst.

*Euxorides* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167.

Genotype: *Euxorides americanus* Cresson.

*Lissonotopsis* Habermehl, Ztschr. Wiss. Ins.-Biol., 1917, 13: 234, 306.

Genotype: (*Lissonotopsis rufa* Habermehl) = *hectica* Gravenhorst.

**Poemenia albipes** (Cresson)

*Ephialtes albipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., N.J. (A.N.S.P.)]

*Ephialtes albipes* Provancher, Nat. Canad., 1880, 12: 20; (Faune p. 452). ♂, ♀: [key, des., Que.]

*Ephialtes albipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.J.]

*Ephialtes albipes* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Ichneumon albipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 324. [key]

*Poemenia albipes* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 450. [key, des., ?Ida., N.Y., Va.]

*Poemenia albipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

*Poemenia albipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Poemenia albipes* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]

*Poemenia albipes* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

**Poemenia americana** (Cresson)

*Euxorides americanus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [o.d., Pa. (A.N.S.P.), Conn., Tex.]

*Euxorides americanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

*Euxorides americanus* Provancher, Addit. Faune Canada Hymén., 1886, p. 116. ♀. [des., Que.]

*Euxorides americanus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Euxorides americanus* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218. [W.Va.]

*Euxorides americanus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Calliclisis americanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [syn.]

*Euxorides americanus* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Euxorides (Calliclisis) americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]

*Poemenia americana* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 451. [key, des., host a b, Calif., Colo., Ore., W.Va.]

*Poemenia americana* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

*Poemenia americana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Poemenia americana* Taylor, Ent. Amer., 1929, 10: 39. [Mass.]

CERAMBYCIDAE: a, *Paratimia conicola*. OLETHREUTIDAE: b, *Laspeyresia* sp.

**Poemenia thoracica** (Cresson)

*Ephialtes thoracicus* Cresson, Proc. Acad. Sci. St. Louis, 1878, p. 377. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

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*Ephialtes thoracicus* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Poemenia thoracica* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 449. [key, des.]

**Poemenia vancouveriensis** (Provancher)

*Euxorides Vancouveriensis* Provancher, Addit. Faune Canada, Hymén., 1883, p. 369. ♀. [o.d., Vancouver Is., B.C. (M.P.Q.)]

*Ephialtes vancouverensis* Harrington, Canad. Ent., 1894, 26: 249. ♀. [o.d., Victoria, B.C. (C.N.C.)]

*Poemenia vancouverensis* (!) Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 450. [key, des., host *a*, B.C., Colo.]

*Poemenia vancouverensis* (!) Essig, Insects of Western N. Amer., 1926, p. 793. [Calif., Colo., B.C., Nev.]

CERAMBYCIDAE: *a*, "*Leptura*" sp.

**CLISTOPYGA** Gravenhorst

*Clistopyga* Gravenhorst, Ichneum. Europeae, 1829, 3: 132.

Genotype: *Ichneumon incitator* Fabricius.

**Clistopyga atrata** Cushman

*Clistopyga atrata* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. ♂, ♀. [key, o.d., host *a*, Berkeley, Calif. (U.S.N.M.)]

OEDEMERIDAE: *a*, ?*Calopus angustus*.

**Clistopyga canadensis** (Provancher)

*Polysphincta acuta* Provancher, Nat. Canad., 1880, 12: 44; (Faune, p. 465). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

*Clistopyga Canadensis* Provancher, Nat. Canad., 1880, 12: 46; (Faune, p. 467). ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Clistopyga canadensis* Davis, Ent. News, 1895, 6: 199. [key.]

*Polysphincta acuta* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 36. [des.]

*Clistopyga canadensis* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 13. ♂, ♀. [key, des., Mass., N.B., N.Y.]

*Clistopyga canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Clistopyga canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 937. [N.Y.]

**Clistopyga maculifrons** Cushman

*Clistopyga maculifrons* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 10. ♀. [key, o.d., Tex. (U.S.N.M.)]

**Clistopyga manni** Cushman

*Clistopyga manni* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 12. ♀. [key, o.d., Pacific Grove, Calif. (U.S.N.M.)]

**Clistopyga nigrifrons** Cushman

*Clistopyga nigrifrons* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 11. ♀.  
[key, o.d., host *a*, Mt. View, Calif. (U.S.N.M.)]

Miscellaneous: *a*, spider nest.

**Clistopyga pulchripicta** Ashmead

*Clistopyga pulchripicta* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 448. ♀.  
[o.d., Tex. (U.S.N.M.)]

*Clistopyga pulchripicta* Davis, Ent. News, 1895, 6: 199. [key.]

*Clistopyga pulchripicta* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 10.  
[key, des.]

**Clistopyga recurva** (Say)

*Anomalon recurvus* Say, Boston Jour. Nat. Hist., 1836, 1: 243. (Leconte Ed. 2: 698.) ♂, ♀. [o.d., Ind. (type destroyed)]

*Clistopyga annulipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 150. ♀. [key, o.d., Mass. (A.N.S.P.)]

*Clistopyga annulipes* Davis, Ent. News, 1895, 6: 199. [key.]

*Clistopyga annulipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317,  
[des. Conn.]

*Clistopyga recurva* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 9. ♂, ♀.  
[key, syn., des., D.C., Miss., N.J., N.C., Tex., Va.]

*Clistopyga recurva* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157.  
[syn., des., Va.]

*Clistopyga recurva* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

**DIACRITUS** Foerster

*Diacritus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 191.

Genotype: (*Mesostenus pleurivinctus* Provancher) = *muliebris* Cresson.

*Phidias Vollenhoven*, Tijdschr. Ent., 1898, 21: 164. Preoccupied by Rafinesque 1815. New synonymy.

Genotype: *Phidias aciculatus* Vollenhoven.

*Stenolabis* Kriechbaumer, Ent. Nachr., 1894, 20: 58.

Genotype: (*Stenolabis cingulata* Kriechbaumer) = *aciculatus* Vollenhoven.

**Diacritus muliebris** (Cresson)

*Mesoleptus?* *muliebris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 102. ♂.  
[o.d., W.Va. (A.N.S.P.)]

*Mesoleptus variabilis* Provancher, Nat. Canad., 1875, 7: 115. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesostenus rufipes* Provancher, Nat. Canad., 1875, 7: 249. ♀. [o.d.]; 7: 263.  
♀. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

*Mesoleptus variabilis* Provancher, Nat. Canad., 1875, 7: 282. [key]

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- Cryptus rufus* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 342). [syn. (in part).]  
*Mesoleptus rufipes* Provancher, Nat. Canad., 1879, 11: 226; (Faune, p. 399).  
 ♀. [key, des.]  
*Mesoleptus muliebris* Provancher, Nat. Canad., 1879, 11: 227 (Faune, p. 400).  
 ♂. [key, des.]  
*Echthrus pediculatus* Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 487).  
 ♀. [key, o.d., Que. (M.P.Q.)]  
*Mesostenus pleuricinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 76. ♀. [o.d., Ottawa, Ont. (C.N.C.)]  
*Mesoleptus rufipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]  
*Mesoleptus muliebris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]  
*Echthrus pediculatus* Harrington, Canad. Ent., 1893, 25: 32. [key]  
*Euxorides? pediculatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189, 190. [syn.]  
*Diacritus muliebris* Davis, Canad. Ent., 1895, 27: 288. [syn., des.]  
*Diacritus pluricinctus* (!) Davis, Canad. Ent., 1895, 27: 288. [syn.]  
 (Ophioninae) *muliebris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]  
*Diacritus rufipes* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 43. [syn.]  
*Plectiscidea (Aperileptus?) contentionis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276. ♀. [o.d., N.Y. (A.N.S.P.) Conn.]  
*Diacritus muliebris* Cushman, Proc. Ent. Soc. Wash., 1917, 19: 162-165. [syn., des.]  
*Zemiodes? variabilis* Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn.]  
*Diacritus muliebris* Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]  
*Diacritus muliebris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

#### DEUTEROXORIDES Viereck

- ?*Deuteroxorides* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 43.  
 Genotype: *Xorides albitarsus* Gravenhorst.  
*Neoxorides* Clément, Festschr. Embrik Strand, 1938, 4: 517. New synonymy.  
 Genotype: *Xorides nitens* Gravenhorst.

#### *Deuteroxorides borealis* (Cresson)

- Xorides borealis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [o.d., Hudson Bay Territory. (A.N.S.P.)]  
*Xorides occidentalis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]  
*Xorides borealis* Provancher, Nat. Canad., 1880, 12: 18; (Faune, p. 450). [des. Que.]  
*Xorides borealis* Harrington, Canad. Ent., 1891, 23: 133. [key]  
*Xorides occidentalis* Harrington, Canad. Ent., 1891, 23: 133. [key]

*Deuteroxorides borealis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 447. [key, syn., des., host *b c d*, Calif., Colo., Mont., N.J., N.C.]

*Deuteroxorides borealis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Deuteroxorides borealis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Alta.]

*Deuteroxorides borealis* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Deuteroxorides occidentalis* Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

BUPRESTIDAE: *a*, buprestid. CERAMBYCIDAE: *b*, *Atimia dorsalis*; *c*, *Semanotus ligneus*; *d*, *Tetropium velutinum*.

**Deuteroxorides caryae** (Harrington)

*Xorides caryae* Harrington, Canad. Ent., 1891, 23: 132. ♂, ♀. [key, o.d., biol., ?Ottawa, Ont. (C.N.C.)]

*Deuteroxorides caryae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 445. [key, des., fig., host *a*, Mich., N.C., Ont., Pa.]

*Deuteroxorides caryae* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 182. [biol., N.Y.]

*Deuteroxorides caryae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Deuteroxorides caryae* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [host *b*, N.Y.]

*Deuteroxorides caryae* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Saperda discoidea*; *b*, ?*Saperda tridentata*.

**Deuteroxorides vittifrons** (Cresson)

*Xorides vittifrons* Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., London, Ont. (A.N.S.P.)]

*Xorides vittifrons* Harrington, Canad. Ent., 1891, 23: 133. [key]

*Xorides vittifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.Y.]

*Xorides vittifrons*, Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [host *a c*]

*Xorides vittifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. ♂, ♀. [des.]

*Deuteroxorides vittifrons* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 446. [key, des., host *b*, N.Y., N.C., Pa.]

*Deuteroxorides vittifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Deuteroxorides vittifrons* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]

*Deuteroxorides vittifrons* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Deuteroxorides vittifrons* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735. [fig. ♂ genitalia]

BUPRESTIDAE: *a*, *Dicerca divaricata*. CERAMBYCIDAE: *b*, *Graphisurus fasciatus*. SIRICIDAE: *c*, *Tremex columba*.

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## Subfamily 1. ICHNEUMONINAE

## Tribe 6. RHYSSINI

**RHYSSA** Gravenhorst

*Rhyssa* Gravenhorst, Ichneum. Europeae, 1829, 3: 260.

Genotype: *Ichneumon persuasorius* Linnaeus.

*Cryptocentrum* Kirby, in Richardson: Fauna Bor. Amer., 1837, 4: 260.

Genotype: *Cryptocentrum lineolatum* Kirby.

*Pararhyssa* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109.

Genotype: *Rhyssa persuasoria* Linnaeus.

**Rhyssa alaskensis** Ashmead

*Rhyssa alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. ♀. [o.d., Fox Point, Alaska (U.S.N.M.)]

*Rhyssa skinneri* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 86. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

*Rhyssa alaskensis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 11. [syn.]

*Rhyssa skinneri* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 141. [key]

*Rhyssa persuasoria* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]

*Rhyssa alaskensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 419. [key, syn., des., Ida., Wash.]

*Rhyssa skinneri* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

**Rhyssa hoferi** Rohwer

*Rhyssa hoferi* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 421. ♀. [key, o.d., Garden of the Gods, Colo. (U.S.N.M.)]

**Rhyssa lineolata** (Kirby)

*Cryptocentrum lineolatum* Kirby, in Richardson, Fauna Bor. Amer., 1837, 4: 260. ♂. [o.d., fig., N. America 65° N. (British Mus.)]

*Rhyssa albomaculata* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 318. ♀. [o.d., N.J. (A.N.S.P.)]

*Pararhyssa albo-maculata* (!) Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]

*Rhyssa albomaculata* Provancher, Nat. Canad. 1873, 5: 449. [host *b c*, Que.]

*Epirhyssa Crevieri* Provancher, Nat. Canad., 1880, 12: 17, (Faune, p. 449). ♂. [o.d., Que. (M.P.Q.)]

*Rhyssa albomaculata* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *g*, W.Va.]

*Rhyssa albomaculata* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1899, 56: 266, 426. [host *e*, W.Va.]

*Epirhyssa albomaculata* Dalla Torre, Cat. Hymen., 1901, 3: 486. [syn.]

*Rhyssa lineolata* Morley, Ent., 1909, 42: 133. [notes on type, Ga., Ont.]

*Rhyssa persuasoria* Morley, Ent., 1910, 43: 243. [notes on type] Misdetermined.



- Rhyssa persuasoria* var. *albomaculata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [syn.]
- Rhyssa lineolata* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 10. [syn., Hudson Bay, N.H., N.Y., N.S., Que.]
- Megarhyssa nitida* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 137. ♂. [key, des.] Misdetermined.
- Rhyssa persuasoria* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]
- Rhyssa albomaculata* Walker, Canad. Ent., 1916, 48: 259. [Newfoundland]
- Rhyssa albomaculata* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta., Newfoundland]
- Rhyssa albomaculata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key, Conn.]
- Rhyssa lineolata* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1918, 10: 99. [host *d*, ?*f*. N.Y.]
- Rhyssa lineolata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 420. [key, syn., des., host *h*, B.C., Colo., Mich., N.Y., Wash., W.Va., Va.]
- Rhyssa lineolata* Champlain, Psyche, 1922, 29: 98. [host *f*, Pa.]
- Rhyssa albomaculata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Rhyssa lineolata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]
- Rhyssa lineolata* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Rhyssa lineolata* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Rhyssa lineolata* Bedard, Canad. Ent., 1938, 70: 195. [host *a i*, Ida.]
- Rhyssa lineolata* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70: 87. [Que.]
- Rhyssa lineolata* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]
- MELANDRYIDAE: *a*, *Serropalpus* sp. CERAMBYCIDAE: *b*, *Monochamus scutellatus*; *c*, *Monochamus titillator*; *d*, *Phymatodes dimidiatus*. SIRICIDAE: *e*, *Sirex edwardsii*; *f*, *Urocerus albicornis*; *g*, *Urocerus cyaneus*; *h*, *Xeris* sp.; *i*, siricid.

***Rhyssa persuasoria* (Linnaeus)**

- Ichneumon persuasorius* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 562. [o.d., Europe (Linnean Soc. Coll.).]
- Rhyssa persuasoria* Gravenhorst, Ichneum. Europeae, 1829, 3: 267. [syn., des., Europe]
- Rhyssa persuasoria* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 270. [Canada, Colo.]
- Rhyssa persuasoria* Provancher, Nat. Canad., 1873, 5: 449. [host *c d*, Que.]
- Pararhyssa persuasoria* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]
- Rhyssa persuasoria* Provancher, Nat. Canad., 1880, 12: 15. (Faune, p. 447.) [key, des., host *b c*]
- Rhyssa persuasoria* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Rhyssa persuasoria* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
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- Rhyssa persuasoria* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]
- Rhyssa persuasoria* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289. [Colo.]
- Rhyssa persuasoria* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. ["Hudson Bay Slope."]
- Rhyssa persuasoria* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Ont.]
- Rhyssa persuasoria* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 10. [syn., host, Ga., Newfoundland, N.S.]
- Rhyssa persuasoria* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 142. [key, syn., des. (in part)]
- Rhyssa persuasoria* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Que.]
- Rhyssa persuasoria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]
- Rhyssa persuasoria* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 105. [N.Y.]
- Rhyssa persuasoria* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 420. [key, des., host *e f*, Calif., Canada, Colo., D.C., Mich., N.Y., N.C., Tex., Ut., Va.]
- Rhyssa persuasoria* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Rhyssa persuasoria* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]
- Rhyssa persuasoria* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Rhyssa persuasoria* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Rhyssa persuasoria* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Rhyssa persuasoria* Bedard, Canad. Ent., 1938, 70: 195. [host *a g*, Ida.]

MELANDRYIDAE: *a*, *Serropalpus* sp. CERAMBYCIDAE: *b*, *Monochamus notatus*; *c*, *Monochamus scutellatus*; *d*, *Monochamus titillator*. SIRICIDAE: *e*, *Sirex* sp.; *f*, *Xeris* sp.; *g*, siricid.

### RHYSELLA Rohwer

*Rhyssella* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 422.

Genotype: *Rhyssa nitida* Cresson.

#### *Rhyssella humida* (Say)

- Pimpla humida* Say, Boston Jour. Nat. Hist., 1836, 1: 224. (Leconte Ed., 2: 683.) ♀. [o.d., Ind. (type destroyed)]
- Rhyssa humida* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 172. [syn.]
- Rhyssa* (*Pararhyssa*) *humida* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 108. ♀. [des.]
- Rhyssa humida* Patton, Canad. Ent., 1879, 11: 15. [des., biol., host *b*, Conn.]
- Rhyssa humida* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 11. [syn.]
- Megarhyssa humida* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 126. ♀. [key, des.]
- Megarhyssa humida* Rohwer, Ent. News, 1918, 29: 108. [host *d*]

*Rhyssella humida* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 423. [key, host *a b d*, Conn., Ill., Ind., N.J., Pa.]

*Rhyssella humida* Champlain, Psyche, 1922, 29: 98. [host *c*, Pa.]

*Rhyssella humida* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]

*Rhyssella humida* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Rhyssella humida* Hoffman, Bull. Brooklyn Ent. Soc., 1940, 35: 63. [host *e*, N.J.]

XIPHYDRIIDAE: *a*, *Xiphydria abdominalis*; *b*, *Xiphydria attenuata*; *c*, *Xiphydria champlaini*; *d*, *Xiphydria erythrogaster*; *e*, *Xiphydria tibialis*.

***Rhyssella nitida* (Cresson)**

*Rhyssa nitida* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 319. ♂. [o.d., Va. (A.N.S.P.)]

*Rhyssa canadensis* Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., "Quebec" (A.N.S.P.)]

*Thalessa nitida* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

*Rhyssa canadensis* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn.]

*Rhyssa canadensis* Provancher, Nat. Canad., 1880, 12: 17; (Faune, p. 449). [key, des.]

*Epirhyssa clavata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 115. ♀. [o.d., Cap Rouge, Que. (type lost)]

*Thalessa nitida* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]

*Megarhyssa nitida* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 672. [syn.]

*Rhyssa canadensis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 12. [syn.]

*Megarhyssa canadensis* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 129. ♀. [key, des.]

*Megarhyssa nitida* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, Conn.]

*Rhyssa* sp. Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 175. [fig. ♀.]

*Megarhyssa nitida* Rohwer, Ent. News, 1918, 29: 108. [host *b*.]

*Rhyssella nitida* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 423. [key, syn., des., fig., host *b*, D.C., Md., Mich., N.J., Ohio, Pa., S.C.]

*Rhyssella nitida* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Rhyssa canadensis* Brues, Psyche, 1927, 34: 80. [host ?*b*, Mass.]

*Rhyssella nitida* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]

*Rhyssella* (!) *nitida* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]

*Rhyssella nitida* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Rhyssella nitida* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia.]

*Rhyssella nitida* Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]

XIPHYDRIIDAE: *a*, *Xiphydria canadensis*; *b*, *Xiphydria maculata*.

**MEGARHYSSA** Ashmead

*Thalessa* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 122. Pre-occupied by Adams 1853.

Genotype: (*Ichneumon clavator* Fabricius) = *superba* Schrank.

*Megarhyssa* Ashmead, Canad. Ent., 1900, 32: 368. (New name for *Thalessa* Holmgren.)

**Megarhyssa atrata** (Fabricius)

*Vespa ichneumon tripilis, pennsylvaniensis* Catesby, Nat. Hist. Carolina Fla., Bahama Is. 1754 1, append.: 4.\* ♀. [des., fig., Pa.]

*Ichneumon macrurus* Linnaeus, Mantissa Plantarum, 1771, 2: 540. [syn. (in part)]

*Ichneumon atratus* Fabricius, Species Insectorum, 1781, 1: 436. ♀. [o.d., N. America (location of type unknown)]

*Ophion atratus* Fabricius, System. Piez., 1804, p. 132. [syn.]

*Ichneumon tenebrator* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 266; 1824, 9: 322. [new name for *Ichneumon atratus* Fabricius] The second reference has not been seen.

*Pimpla atrata* Dalman, Svensk. Vet.-Akad. Handl., 1825, 46: 195. ♀. [des., fig.]

*Pimpla atrata* Guérin, Magas. de Zool. 1831, 1, pt. 2: 28. [des., fig.]

*Pimpla atrata* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]

*Pimpla atrata* Harris, Insects Injurious to Vegetation, 1842, p. 391. [biol., host b.]

*Rhyssa atrata* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 77. ♀. [des., fig.]

*Rhyssa laevigata* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 78. ♂. [o.d., fig., N. Amer. (Paris Mus.)]

?*Rhyssa necator* D'Urban, Ent. Month. Mag., 1865, 2: 71. [biol., Que.] Nomen nudum.

*Pimpla (rhyssa) atrata* Walsh, Pract. Ent., 1867, 2: 118. [biol., host b]

*Thalessa atrata* Walsh and Riley, Amer. Ent., 1868, 1: 77. [biol., host c]

*Thalessa atrata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

*Thalessa atrata* Provancher, Nat. Canad., 1873, 5: 446. [key, des., Que.]

*Thalessa lunator* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn. (in part)]

*Thalessa atrata* Provancher, Nat. Canad., 1880, 12: 13; (Faune, p. 445). ♂, ♀. [key, des.]

*Rhyssa atrata* Harrington, Canad. Ent., 1882, 14: 82. [des., biol.]

*Rhyssa atrata* Lintner, Cultivator and Country Gentleman, 1883, 48: 561. [biol., host a, N.Y.]

*Rhyssa atrata* Harrington, Ann. Rpt. Ent. Soc. Ont., 1883, 13: 23-24. [des., biol.]

\* Catesby, The Natural History of Carolina, 1748, not seen, but it is probably the same as this reference.

- Thalessa atrata* Harrington, Canad. Ent., 1887, 19: 206-209. [biol.]  
*Thalessa atrata* Lintner, New England Homestead, Aug. 4, 1888, p. 286. This reference not seen.  
*Thalessa atrata* Harrington, Ann. Rpt. Ent. Soc. Ont., 1888, 18: 25. [biol., Ont.]  
*Thalessa atrata* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]  
*Thalessa atrata* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]  
*Thalessa atrata* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]  
*Thalessa atrata* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *b*, W.Va.]  
*Thalessa atrata* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Thalessa atrata* Lintner, Cultivator and Country Gentleman, 1897, 62: 506. [biol.]  
*Rhyssa atrata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Thalessa atrata* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572. [N.Y.]  
*Megarhyssa atrata* Dalla Torre, Cat. Hymen., 1901, 3: 480. [syn.]  
*Thalessa atrata* Howard, The Insect Book, 1902, plate 9, fig. 1.  
*Megarhyssa atrata* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Ill., Mo.]  
*Thalessa atrata* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. [Kans.]  
*Megarhyssa atrata* Greene, Ent. News, 1913, 24: 44. [Pa.]  
*Thalessa atrata* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 15. [syn., Ill., Mo., N.Y., Ont.]  
*Megarhyssa atrata* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 128. [key, des.]  
*Thalessa atrata* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [biol., Que.]  
*Megarhyssa atrata* Macnamara, Ann. Rpt. Ent. Soc. Ont. 1916, 46: 59. [biol., fig.]  
*Megarhyssa atrata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, fig., Conn.]  
*Megarhyssa atrator* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]  
*Megarhyssa atrata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 428. [key, Ark., D.C., Fla., Ga., Ind., Md., Mass., N.Y., Pa., Tenn., Va.]  
*Megarhyssa atrata* Champlain, Ent. News, 1921, 32: 241. [biol., host *b*, Pa.]  
*Megarhyssa atrata* Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 178. [biol., N.Y.]  
*Megarhyssa atrata* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]  
*Megarhyssa atrata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]  
*Megarhyssa atrata* Caesar and Ross, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 21. [host *b*, Ont.]  
*Megarhyssa atrata* Klugh, Amer. Photography, 1932, 26: 158. [fig., biol.]  
*Megarhyssa lunator* Klugh, Amer. Photography, 1932, 26: 158. [fig., biol.]  
 Misetermined.  
*Megarhyssa atrata* Snodgrass, Smithsonian Misc. Coll., 1933, 89, no. 8: 112-114. [fig., morphology]

*Megarhyssa atrata* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]

*Megarhyssa atrata* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Megarhyssa atrata* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [biol., Me.]

*Megarhyssa atrata* Michener, Pan-Pacific Ent., 1939, 15: 127. ♂, ♀. [key]

*Megarhyssa atrata* Beaulne, Nat. Canad., 1939, 66: 95. [host b, Que.]

NOTODONTIDAE: a, *Datana* sp. SIRICIDAE: b, *Tremex columba*; c, *Urocetus* sp.

### ***Megarhyssa greenei* Viereck**

*Megarhyssa greenei* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.] Nomen nudum.

*Megarhyssa greenei* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 191. ♂, ♀. [o.d., Harrisburg, Pa. (U.S.N.M.), Canada, Conn., Ind., Mich., N.J.]

*Megarhyssa greenei* Greene, Ent. News, 1913, 24: 44. [Pa.]

*Megarhyssa greenei*, Gibson, Ann. Rpt. Ent. Soc. Ont., 1914, 44: 124. [Ont.]

*Megarhyssa greenei* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 136. [key, des.]

*Megarhyssa greenei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key, Conn.]

*Megarhyssa greenei* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 426. [key, host a, Ind., N.C., Pa., Que.]

*Megarhyssa grenni* (!) Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 179. [host a, N.Y.]

*Megarhyssa greenei* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

*Megarhyssa greenei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Megarhyssa greenei* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 406. [biol., Me.]

*Megarhyssa greenei* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Megarhyssa greenei* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

*Megarhyssa greenei* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 737. [fig. ♂ genitalia]

*Megarhyssa greenei* Michener, Pan-Pacific Ent., 1939, 15: 128. ♂, ♀. [key, des., N.Y.]

SIRICIDAE: a, *Tremex columba*.

### ***Megarhyssa icterosticta* Michener new combination**

*Megarhyssa lunator icterosticta* Michener, Pan-Pacific Ent., 1939, 15: 130. ♂, ♀. [o.d., Durango, Colo. (Calif. Acad. Sci.), N.M., Ut.]

### ***Megarhyssa macrurus macrurus* (Linnaeus) new combination**

*Ichneumon macrurus* Linnaeus, Mantissa Plantarum, 1771, 2: 540. ♀. [o.d., Carolina (location of type unknown)] The synonymy given is erroneous.

*Ichneumon lunator* Fabricius, Species Insectorum, 1781, 1: 430. ♀. [o.d., N. America (location of type unknown)]. New synonymy.

*Pimpla lunator* Fabricius, System Piez., 1804, p. 114. [syn.]

*Pimpla lunator* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]

- Pimpla lunator* Harris, Insects Injurious to Vegetation, 1842, p. 391. [biol., host *a*]
- Rhyssa lunator* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 78. ♀. [des.]
- Pimpla lunator* Emmons, Nat. Hist. N.Y., 1854, (pt. 5) 5: 194. [des., fig., biol., N.Y.]
- Pimpla lunator* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167. [des., fig., Mass.]
- Pimpla lunator* Harris, Insects Injurious to Vegetation, 1863, p. 536. [fig.]
- Rhyssa lunator* D'Urban, Ent. Month. Mag., 1865, 2: 71. [biol., Que.]
- Thalessa lunator* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]
- Rhyssa lunator* Riley, Amer. Ent., 1870, 2: 96. [fig., biol., host *a*]
- Rhyssa lunator* Riley, Amer. Ent., 1870, 2: 128. [biol., host *a*]
- Thalessa lunator* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]
- Thalessa lunator* Provancher, Nat. Canad., 1873, 5: 447. ♂, ♀. [key, des., Que.]
- Rhyssa lunator* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 108. [Ill.]
- Thalessa lunator* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 109. [syn. (in part)]
- Rhyssa lunator* Westcott, Canad. Ent., 1879, 11: 140. [des.]
- Thalessa lunator* Provancher, Nat. Canad., 1880, 12: 14; (Faune, p. 446). ♂, ♀. [key, des.]
- Rhyssa lunator* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [biol.]
- Rhyssa lunator* Harrington, Canad. Ent., 1882, 14: 82. [des., biol.]
- Rhyssa lunator* Harrington, Ann. Rpt. Ent. Soc. Ont., 1883, 13: 23-24. [des., biol.]
- Pimpla (Rhyssa) lunator* Gade, Bull. Brooklyn Ent. Soc., 1884, 7: 103. [biol.]
- Thalessa lunator* Lintner, Cultivator and Country Gentleman, 1884, 49: 331. [fig., biol., host *a*, Ga.]
- Rhyssa lunator* Riley, Bull. Brooklyn Ent. Soc., 1885, 7: 123. [biol., host *a*, N.H.]
- Rhyssa lunator* Smith, Bull. Brooklyn Ent. Soc., 1885, 7: 124. [biol.]
- Rhyssa lunator* Riley, Proc. Ent. Soc. Wash., 1886, 1: 15. [biol.]
- Thalessa lunator* Harrington, Canad. Ent., 1887, 19: 206-209. [biol.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Mus. Nat. Hist., 1888, 41: 35-42. [des., fig., biol., host *a*]
- Thalessa lunator* Harrington, Ann. Rpt. Ent. Soc. Ont., 1888, 18: 25-27. [biol., Ont.]
- Thalessa lunator* Riley, Insect Life, 1888, 1: 168-179. ♂, ♀. [des., fig., biol., host *a*]
- Rhyssa (Thalessa) lunator* Lintner, Rpt. Injurious and Other Insects of N.Y., 1888, 4: 205. [N.Y.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Ent., 1889, 4: 35-36. [syn., des., fig., biol., Ga., N.Y.]
- ?*Thalessa? histrio* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 487. ♂. [o.d., "America borealis, Whites Mountains" (Vienna Mus.)] New synonymy.

- Thalessa lunator* Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Thalessa lunator* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Thalessa lunator* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Thalessa lunator* Lintner, Rpt. N.Y. State Mus. Nat. Hist., 1893, 45: 163-166.  
[biol., host *a*, N.Y.]
- Thalessa lunator* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [host *a*,  
W.Va.]
- Thalessa lunator* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Thalessa lunator* Lintner, Cultivator and Country Gentleman, 1897, 62: 506.  
[biol.]
- Thalessa lunator* Webster, Ohio Farmer, July 27, 1899, p. 62. This reference  
not seen.
- Rhyssa lunator* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Thalessa lunator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 572.  
[fig., biol., N.Y.]
- Megarhyssa lunator* Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- ?*Megarhyssa histrio* Dalla Torre, Cat. Hymen., 1901, 3: 480. [syn.]
- Thalessa lunator* Howard, The Insect Book, 1902, plate 9, fig. 3, 4.
- ?*Epirhyssa histrio* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [syn.]
- Thalessa lunator* Nason, Ent. News, 1905, 16: 171. [Ill.]
- Megarhyssa lunator* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Ky., Mo.]
- Thalessa lunator* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Megarhyssa lunator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627.  
[N.J.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 80. [biol.]
- Megarhyssa greeniei* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 191. ♂ (not ♀).  
[des.]
- Thalessa lunator* Douglas, Ann. Rpt. State Ent. Ind., 1912, 4: 105. [fig., biol.,  
host *a*]
- Thalessa lunator* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 17. [Ill., N.Y.,  
Ont.]
- Thalessa lunator* Baldwin, Ann. Rpt. State Ent. Ind., 1914, 6: 51. [biol., host  
*a*, Ind.]
- Megarhyssa lunator* Merrill, Trans. Amer. Ent. Soc., 1915, 41: 133. [key, des.,  
morphology, fig.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [biol., Que.]
- Thalessa lunator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 28. [biol.]
- Megarhyssa lunator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325.  
[key, fig., host *a*, Conn.]
- Megarhyssa lunatrix* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173,  
fig. ♂. [Minn.]
- Megarhyssa lunator* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 427. [key, host  
*a*, Colo., D.C., Ill., Mich., N.J., N.Y., Pa., S.C., Va.]
- ?*Thalessa? histrio* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 428. [syn.]
- Megarhyssa lunator* Barlow, Ent. News, 1921, 32: 291. [biol.]



- Megarhyssa lunator* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 177. [host *a*, N.Y.]
- Thalessa lunator* Cutright, Monthly Bull. Ohio Agr. Exp. Sta., 1924, 9: 92. [des., fig., host *a*]
- Megarhyssa lunator* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 32. [biol.]
- Megarhyssa lunator* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Megarhyssa lunator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]
- Thalessa lunator* McDaniel, Spec. Bull. Mich. Agr. Exp. Sta., 1933, 238: 37. [des., biol., host *a*]
- Megarhyssa lunator*, Woodbury, Ecol. Monog., 1933, 3: 191. [biol., host *a*, Ut.]
- Megarhyssa lunator* Abbott, Jour. N.Y. Ent. Soc., 1934, 42: 127-133. [fig., morphology, biol.]
- Megarhyssa lunator* Abbott, Psyche, 1934, 41: 238-240. [biol.]
- Megarhyssa lunator*, Abbott, Bull. Brooklyn Ent. Soc., 1934, 29: 39-41. [fig., morphology]
- Megarhyssa lunator* Abbott, Bull. Brooklyn Ent. Soc., 1935, 30: 10-13. [morphology]
- Megarhyssa lunator* Britton, Bull. Conn. Agr. Exp. Sta., 1937, 396: 309. [Conn.]
- Megarhyssa lunator* Abbott, Ent. News, 1937, 47: 263-264. [biol.]
- Megarhyssa lunator* Peck, Canad. Jour. Res., 1937 D, 15: 237-240, 246, 247, 251. [morphology of ♂ genitalia, fig.]
- Megarhyssa lunator* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 359. [biol., Conn.]
- Megarhyssa lunator* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa lunator lunator* Michener, Pan-Pacific Ent., 1939, 15: 129. ♂, ♀. [key, des., N.Y. "Atlantic coast to eastern side of Rocky Mts."]
- Megarhyssa lunator* Beaulne, Nat. Canad., 1939, 66: 96. [host *a*, Que.]
- Thalessa lunator* Kelley, The Nature Mag., 1939, 32: 379-380. [des., fig., biol.]
- Megarhyssa lunator* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Megarhyssa lunator* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]
- Megarhyssa lunator* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

SIRICIDAE: *a*, *Tremex columba*.

***Megarhyssa macrurus phaeoptila* Michener new combination**

- Megarhyssa lunator phaeoptila* Michener, Pan-Pacific Ent., 1939, 15: 129. ♀. [o.d., Victoria, Tex. (U.S.N.M.), La.]

***Megarhyssa nortoni* (Cresson)**

- Rhyssa nortoni* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 317. ♀. [o.d., Colo. (A.N.S.P.)]
- Rhyssa nortoni* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 269. [Colo.]
- Thalessa nortoni* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

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- Thalessa Quebecensis* Provancher, Nat. Canad., 1873, 5: 447. ♂, ♀. [key, o.d., Que. (type lost)]
- Thalessa Nortoni* Provancher, Nat. Canad., 1873, 5: 448. ♂. [key, des., Que.]
- Thalessa Nortoni* Provancher, Nat. Canad., 1880, 12: 13; (Faune, p. 445). ♂, ♀. [key, des.]
- Thalessa nortonii* (!) Smith, Rpt. N.J. Geologist, 1890, 2: 30. [N.J.]
- Thalessa nortoni* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 217. [W.Va.]
- Rhyssa nortoni* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Thalessa nortoni* Hopkins, Bull. W.Va. Agr. Exp. Sta. 1899, 56: 266, 426. [W.Va.]
- Megarhyssa nortonii* (!) Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- Megarhyssa quebecensis* Dalla Torre, Cat. Hymen., 1901, 3: 481. [syn.]
- Thalessa nortoni* Howard, The Insect Book, 1902, plate 8, fig. 38.
- Thalessa Nortoni* Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C., Que.]
- Thalessa nortoni* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C., Que.]
- Megarhyssa nortoni* Mocsáry, Ann. Mus. Nat. Hung., 1905, 3: 4. [Calif.]
- Thalessa nortoni* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C., Ont.]
- Thalessa superba* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 16. [syn., des., B.C., Europe, Hudson Bay, Mass., N.H., N.Y. (in part)]
- Megarhyssa nortonii* (!) Merrill, Trans. Amer. Ent. Soc., 1915, 41: 131. [key, des., Alaska, Calif.]
- Thalessa nortoni* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 54, 57. [Que.]
- Megarhyssa nortoni* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [N.S.]
- Megarhyssa nortoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 325. [key]
- Megarhyssa nortoni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 427. [key, host d, Alaska, Calif., Colo., Kans., N.C., Ut., Wash.]
- Megarhyssa nortoni* Champlain, Psyche, 1922, 29: 98. [host b, Pa.]
- Megarhyssa nortoni* Essig, Insects of Western N. Amer., 1926, p. 795, 796. [des., fig., biol., host a c, Alaska, B.C., Calif., Colo., Nev., Ore., Ut., Wahs.]
- Megarhyssa nortoni* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]
- Megarhyssa nortoni* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Megarhyssa nortoni* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]
- Megarhyssa nortoni* Doane, Van Dyke, Chamberlain, and Burke, Forest Insects, 1936, p. 347. [fig.]
- Megarhyssa nortoni* Brimley, Insects of N.C., 1938, p. 410. [N.C.]
- Megarhyssa nortoni* Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 406. [biol., Me.]
- Megarhyssa nortoni* Michener, Pan-Pacific Ent., 1939, 15: 128. ♂, ♀. [key, des., B.C., Calif., N.Y., N.S., Ore., Ut., Wash.]
- Megarhyssa nortoni* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- SIRICIDAE: a, *Sirex* sp.; b, *Urocerus albicornis*; c, *Xeris morrisoni*; d, *Xeris* sp.

Subfamily 1. ICHNEUMONINAE

Tribe 7. THERONIINI

**THERONIA** Holmgren

*Theronia* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 123.

Genotype: (*Pimpla flavicans* Fabricius) = *atalantae* Poda.

*Pseudacoenites* Kriechbaumer, Ent. Nachr., 1892, 18: 219.

Genotype: (*Pseudacoenites moravicus* Kriechbaumer) = *laevigata* Tschek.

*Neotheronia* Krieger, Sitz. Naturf. Ges. Leipzig, 1898, 14-15: 119.

Genotype: *Theronia tolteca* Cresson.

*Epimecoideus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52.

Genotype: *Epimecoideus apicalis* Ashmead.

*Erythrotheronia* Cameron, Spolia Zeylanica, 1905, 3: 134.

Genotype: *Erythrotheronia flavolineata* Cameron.

*Orientotheronia* Morley, Fauna Brit. India, 1913, Hymen., 3: 146.

Genotype: *Orientotheronia rufescens* Morley.

*Liotheronia* Enderlein, Sitz.-Ber. Gesell. Naturf. Freunde, 1919, p. 147. New synonymy.

Genotype: *Liotheronia kriegeri* Enderlein.

**Theronia atalantae** (Poda)

*Ichneumon Atalantae* Poda, Insecta Musei Graecensis, 1761, p. 106. [o.d., host, (Europe) (location of type unknown)]

*Pimpla fulvescens* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 268. ♂. [o.d., Colo. (A.N.S.P.)]

*Pimpla* sp. near *melanocephala* Walsh, Practical Ent., 1867, 2: 114. [des., host e, N.Y.]

*Theronia fulvescens* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]

*Theronia rufescens* (!) Taylor, Canad. Ent., 1884, 16: 92. [host i, B.C.]

*Theronia fulvescens* Fletcher, Proc. Ent. Soc. Wash., 1896, 4: 31. [host p, B.C.]

*Theronia fulvescens* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 24. [host k, D.C.]

*Theronia fulvescens* Harrington, Canad. Ent., 1897, 29: 45. [host f i p, B.C.]

*Theronia fulvescens* Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Theronia fulvescens* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host g, D.C.]

*Theronia fulvescens* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host d, N.Y.]

*Theronia atalantae* Krieger, Bericht. Naturf. Ges. Leipzig, 1899, p. 113. [syn.]

*Theronia fulvescens* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

*Theronia fulvescens* Weed and Fiske, Bull. U. S. Dept. Agr., Div. Ent., 1900, 26: 33. [biol., host t]

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- Theronia fulvescens* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 217-222.  
[biol., host *d s t*, parasite *a*, N.H.]
- Theronia fulvescens* var. *mellipennis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 87. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]
- Theronia atalantae* var. *americana* Krieger, Ztschr. Hymen. Dipt., 1906, 6: 240. ♂, ♀. [o.d. in key, B.C. (location of type unknown)]
- Theronia fulvescens mellipennis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]
- Theronia fulvescens* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 455-457. [biol., host *n q r*]
- Theronia fulvescens* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.]
- Theronia fulvescens* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 137, 141, 142, 144, 147-149, 236-237, 304. [biol., host *j l*, Mass.]
- Theronia fulvescens* Aldrich, Jour. Econ. Ent., 1912, 5: 87-88. [biol., host *p*, Ida.]
- Theronia americana* Webster, Canad. Ent., 1913, 45: 120. [host *o*, Ore.]
- Theronia fulvescens* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 40. [key, syn., des., Canada, N.Y.]
- Theronia atalantae fulvescens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des.]
- Theronia atalantae fulvescens* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Theronia fulvescens mellipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 41, 43. [key, des.]
- Theronia fulvescens fulvescens* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 42. [key, des., host *a c g i*, B.C., D.C., N.H., N.M.]
- Theronia fulvescens* Fracker, Bull. Wis. Dept. Agr., 1923, 52: 80. [host *k*, Wis.]
- Theronia fulvescens* Evenden, The Timberman, May, 1924, 25: 54. [biol., host *p*, Ida.]
- Theronia fulvescens* Glendenning, Pamphlet Canad. Dept. Agr., 1924, 50: 13. [host *m*, B.C.]
- Theronia atalantae* var. *fulvescens* Essig, Insects of Western N. Amer., 1926, p. 798. [Calif.]
- Theronia fulvescens* Evenden, Jour. Agr. Res., 1926, 33: 343. [fig., biol., host *p*, Ida.]
- Theronia fulvescens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Theronia fulvescens* Burgess and Crossman, Bull. U. S. Dept. Agr., 1927, 1469: 14. [host *m*, B.C., New England]
- Theronia fulvescens* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]
- Theronia fulvescens* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102, 103. [Alta., B.C.]
- Theronia fulvescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a c e g p*, N.Y.]
- Theronia fulvescens* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *e* Ut.]

- Theronia fulvescens* Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *h.*]  
*Theronia fulvescens* Knull, Jour. Econ. Ent., 1932, 25: 1202. [host *b.*]  
*Theronia fulvescens* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]  
*Theronia fulvescens* Peck, Canad. Jour. Res., 1937 D, 15: 245, 246, 248, 251, 252.

[figs. ♂ genitalia]

- Theronia fulvescens* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Theronia fulvescens* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]  
*Theronia fulvescens* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]  
*Theronia atalantae* Townes, Ann. Ent. Soc. Amer., 1940, 33: 286, 293. [key, syn., des., fig., biol., Ariz., Calif., Europe, Japan, Mass., Mich., N.J., N.M., N.Y., R.I.]

TORTRICIDAE: *a*, *Archips fumiferana*. GEOMETRIDAE: *b*, *Ennomos subsignarius*. DREPANIDAE: *c*, *Oreta rosea*. LASIOCAMPIDAE: *d*, *Malacosoma americanum*; *e*, *Malacosoma distria*; *f*, *Malacosoma* sp. LYMANTRIIDAE: *g*, *Hemerocampa leucostigma*; *h*, *Hemerocampa pseudotsugata*; *i*, *Hemerocampa* sp.; *j*, *Nygmia phaeorrhea*; *k*, *Olene leucophaea*; *l*, *Porthetria dispar*; *m*, *Stilpnolia salicis*. SATURNIIDAE: *n*, *Samia cecropia*. NYMPHALIDAE: *o*, *Nymphalis californica*. PIERIDAE: *p*, *Neophasia menapia*. ICHNEUMONIDAE: *q*, *Enicospilus americanus*; *r*, *Gambrus extrematis*; *s*, *Hyposoter fugitivus*; *t*, *Itoplectis conquisitor*.

Parasite: CHALCIDIDAE: *a*, *Dibrachys cavus*.

***Theronia bicincta* (Cresson)**

- Pimpla bicincta* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 38. ♀. [o.d., Cuba (A.N.S.P.)]  
*Neotheronia bicincta* Krieger, Ztschr. Hymen. Dipt., 1905, 5: 300. ♀. [key.]  
*Theronia bicincta* Townes, Ann. Ent. Soc. Amer., 1940, 33: 297. ♂, ♀. [key, des., host *a*, Cuba, Fla.]

ICHNEUMONIDAE: *a*, *Tromatobia rufopectus*.

***Theronia hilaris* (Say)**

- Ichneumon hilaris* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 71. (Leconte Ed., 1: 376.) ♂. [o.d., Ind. (type destroyed)]  
*Pimpla melanocephala* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 99. ♀. [o.d., North America (Paris Mus.)] Preoccupied by Gravenhorst, 1829.  
*Theronia melanocephala* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. [syn.]  
*Pimpla melanocephala* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 131. ♂, ♀. [des.]  
*Theronia melanocephala* Provancher, Addit. Faune Canada, Hymén., 1886, p. 114. ♀. [des., Ont.]  
*Theronia melanocephala* Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 69. [host *c*, Ont.]  
*Theronia melanocephala* Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1892, 19: 116. [host *a*, Mass.]  
*Theronia melanocephala* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 574. [N.J.]

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- Theronia melanocephala* Nason, Ent. News, 1905, 16: 171. [Ill.]  
*Theronia melanocephala* Krieger, Ztschr. Hymen. Dipt., 1906, 6: 233. [key]  
*Theronia melanocephala* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 626. [N.J.]  
*Theronia melanocephala* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 40. [key, des.]  
*Theronia melanocephala* Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host d]  
*Theronia melanocephala* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 323. [des., host a e f, Conn.]  
*Theronia melanocephala* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 43. [key, des., Ind., Md., Mass., N.Y., Va., W.Va.]  
*Theronia? hilaris* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [des.]  
*Theronia melanocephala* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Theronia melanocephala* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 936. [host a b c e, N.Y.]  
*Theronia melanocephala* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]  
*Theronia melanocephala* Peck, Canad. Jour. Res., 1937 D., 15: 245, 246, 248, 251, 252. [fig. ♂ genitalia]  
*Theronia melanocephala* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Theronia melanocephala* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]  
*Theronia melanocephala* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731, 737. [fig. ♂ genitalia]  
*Theronia hilaris* Townes, Ann. Ent. Soc. Amer., 1940, 33: 291. [key, syn., des., biol., Me., Md., Mass., Mich., N.J., N.Y., N.C., Pa., Que., R.I., S.C.]  
 LYMANTRIIDAE: a, *Porthetria dispar*. ARCTIIDAE: b, *Halisidota caryae*; c, *Halisidota maculata*; d, *Halisidota* sp. HESPERIIDAE: e, *Proteides clarus*. ICHNEUMONIDAE: f, *Coccygomimus pedalis*.

### ***Theronia septemtrionalis* (Krieger)**

- Neotheronia septemtrionalis* Krieger, Ztschr. Hymen. Dipt., 1905, 5: 305. ♂.  
 [o.d., N.C. (location of type unknown)]  
*Neotheronia winnamanae* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. ♀.  
 [o.d., Plummer's Is., Md. (U.S.N.M.)]  
*Neotheronia winnamanae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 44. [key, des., Ala., La., Md.]  
*Neotheronia septemtrionalis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 45. [key, des.]  
*Neotheronia winnamanae* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Theronia septemtrionalis* Townes, Ann. Ent. Soc. Amer., 1940, 33: 290. [key, syn., des., biol., Mo., N.C., S.C., Tenn.]

Subfamily 1. ICHNEUMONINAE

Tribe 8. LABENINI

**LABENA** Cresson

*Labena* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 399.

Genotype: *Cryptus grallator* Say.

*Dyseidopus* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 489.

Genotype: *Dyseidopus sericeus* Kriechbaumer.

**Labena grallator** (Say)

*Cryptus grallator* Say, Boston Jour. Nat. Hist., 1836, 1: 236. (Leconte Ed. 2: 692.) ♀. [o.d., Ind. (type destroyed)]

*Mesochorus fuscipennis* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 250. ♀. [o.d., Carolina. (Paris Mus.)]

*Labena grallator* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 399. ♂, ♀. [des., Del., N.Y., Pa.]

*Labena apicalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 402. ♂. [o.d., Del. (A.N.S.P.)] New synonymy.

*Labena grallator* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

*Labena grallator* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 162. ♂, ♀. [syn., des., host *e*]

*Labena grallator* Riley, Ann. Rpt. Insects Mo., 1875, 7: 75. [biol., host *c*]

*Labena grallator* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Labena apicalis* Riley and Howard, Insect Life, 1891, 3: 464. [host *c*, D.C., Mo., Tex.]

*Labena grallator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J., N.Y.]

*Labena apicalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Labena apicalis* Howard, The Insect Book, 1902, plate 10, fig. 21.

*Labena grallator* Howard, The Insect Book, 1902, plate 10, fig. 25.

*Labena apicalis* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Labena grallator* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Labena grallator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

*Labena grallatrix* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]

*Labena grallator* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 410. [key, des., Colo., D.C., Fla., Kans., La., Mo., Pa., Tex.]

*Labena apicalis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 411. [key, des., host *j*, Kans., S.C., Tex.]

*Labena confusa* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 411. ♀. [key, o.d., host *c d*, Tex. (U.S.N.M.), Fla., Pa., Va.] New synonymy.

*Labena confusa* var. *minor* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 413. ♀. [key, o.d., host *c*, Washington, D.C. (U.S.N.M.), Tex.] New synonymy.

- Labena apicalis* Champlain, Psyche, 1922, 29: 97. [host *h*, Pa.]  
*Labena apicalis* Brooks, Jour. Agr. Res., 1926, 33: 337. [host *a*]  
*Labena apicalis* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]  
*Labena grallator* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]  
*Labena apicalis* Barnes, Int. Cong. Ent. Ithaca, N.Y., 1928, 4: 413. [host *k*]  
*Labena apicalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.  
 [host *b c f g h*, N.Y.]  
*Labena grallator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.  
 [host *c e*, N.Y.]  
*Labena confusa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938.  
 [host *d e*, N.Y.]  
*Labena apicalis* Taylor, Ent. Amer., 1929, 10: 36. [host *i l*, Pa.]  
*Labena grallator* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Labena apicalis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]  
*Labena confusa* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

BUPRESTIDAE: *a*, *Agrilus arcuatus*; *b*, *Agrilus* sp.; *c*, *Chrysobothris femorata*; *d*, *Thrinopyge alacris*. CERAMBYCIDAE: *e*, *Chion cinctus*; *f*, *Pseudibidion unicolor*; *g*, *Saperda puncticollis*; *h*, *Stenosphenus notatus*; *i*, cerambycid. CURCULIONIDAE: *j*, *Lixus scrobicollis*; *k*, *Pissodes strobi*; *l*, curculionid.

### **Labena tinctipennis** Rohwer

- Labena tinctipennis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 409. ♀. [key, o.d., Webber Creek, Calif. (U.S.N.M.)]

### **GROTEA** Cresson

- Grotea* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 397.

Genotype: *Grotea anguina* Cresson.

### **Grotea anguina** Cresson

- Grotea anguina* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 398. ♂, ♀. [o.d., host *d*, N.J. (A.N.S.P.), N.Y.]  
*Grotea anguina* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]  
*Grotea anguina* Graenicher, Ent. News, 1905, 16: 43-49. [biol., host *b*, Wis.]  
*Grotea anguina* Nason, Ent. News, 1905, 16: 172. [Ill.]  
*Grotea anguina* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. [des.]  
*Grotea anguina* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 415. [key, des., Conn., Md., N.J., N.Y., Tex., Va.]  
*Grotea anguina* Rau, Trans. Acad. Sci. St. Louis, 1922, 24, no. 7: 43. [biol., host *c*, Mo.]  
*Grotea anguina* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 40. [biol.]  
*Grotea anguina* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 938. [N.Y.]  
*Grotea anguina* Rau, Ann. Ent. Soc. Amer., 1928, 21: 383. [biol., host *c*]



*Grotea anguinea* (!) Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia]

*Grotea anguina* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

SPHECIDAE: a, ?*Crabro* sp. CERATINIDAE: b, *Ceratina dupla*; c, *Ceratina calcarata*.

***Grotea californica* Cresson**

*Grotea californica* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀. [o.d., Calif. (A.N.S.P.)]

*Grotea californica* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 416. [key, des., Calif.]

Subfamily 1. ICHNEUMONINAE

Tribe 9. XORIDINI

**XORIDES** Latreille

*Xorides* Latreille, Hist. Nat. Crust. Ins., 1809, 4: 4.

Genotype: *Xorides indicatorius* Latreille.

*Xylonomus* Gravenhorst, Ichneum. Europeae, 1829, 3: 819.

Genotype: *Ichneumon irrigator* Fabricius.

*Sterotrachus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: (*Xylonomus pilicornis* Gravenhorst) = *fuligator* Thunberg.

*Gonophonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Gonophonus mokrzeckii* Kokujev.

*Moerophora* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Xylonomus rufipes* Gravenhorst.

*Sichelia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Xylonomus filiformis* Gravenhorst.

*Rhadina* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.

Preoccupied by Billberg, 1828.

Genotype: *Xylonomus ater* Gravenhorst.

*Cyanoxorides* Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1903, 39: 141.

New synonymy.

Genotype: *Cyanoxorides brookii* Cameron.

*Spiloxorides* Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1903, 39: 143. New synonymy.

Genotype: *Spiloxorides ruficeps* Cameron.

*Macrosterotrichus* Kokujev, Rev. Russ. Ent., 1903, 3: 287.

Genotype: *Xylonomus (Macrosterotrichus) jakovlevi* Kokujev.

*Caenostoma* Cameron, Jour. Straits Br. Roy. Asiatic Soc., 1905, 44: 125. New synonymy

Genotype: *Caenostoma filicornis* Cameron.

*Rhadinopimpla* Schulz, Zool. Ann., 1911, 4: 23. New name for *Rhadina* Foerster.

*Ahyborhyssa* Enderlein, Sitz.-Ber. Ges. Naturf. Freunde Berlin, 1919, p. 152.

New synonymy.

Genotype: *Epiphyssa annulicornis* Cameron

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*Lavaudenia* Seyrig, Mém. Acad. Malagache, 1932, 11: 92. New synonymy.

Genotype: *Lavaudenia mirabilis* Seyrig.

*Xylonomimus* Clément, Festschr. Embrik Strand, 1938, 4: 539. New synonymy.

Genotype: *Xorides gracilicornis* Gravenhorst.

*Neoxylonomus* Clément, Festschr. Embrik Strand, 1938, 4: 566. Preoccupied by Szépligeti, 1916. New synonymy.

Genotype: *Neoxylonomus Strandi* Clément.

***Xorides albopictus* (Cresson)**

*Xylonomus albopictus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♀. [key, o.d., N.Y. (A.N.S.P.)]

*Xylonomus albopictus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 158. ♀. [des.]

*Xorides canadensis* Provancher, Nat. Canad., 1875, 7: 248. ♂. [o.d., Mt. Yamaska, Que. (type lost)]

*Xylonomus albopictus* Provancher, Nat. Canad., 1875, 7: 313. [Que.]

*Xylonomus albopictus* Provancher, Nat. Canad., 1875, 7: 339. [syn.]

*Xylonomus albopictus* Provancher, Nat. Canad., 1880, 12: 101; (Faune, p. 489). [key, des.]

*Xylonomus albopictus* Harrington, Canad. Ent., 1893, 21: 134. [key, Ont., Que.]

*Xylonomus albopictus* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218. [host a, W.Va.]

*Xylonomus albopictus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

*Xorides albopictus* Felt, Mem. N.Y. State Mus., 1906, 2: 500. [host b.]

*Xylonomus (Moerophora) duplicatus* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 356. ♂. [o.d., Clark Station (near St. Louis), Mo. (U.S.N.M.)] New synonymy.

*Xylonomus albopictus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. [key]

*Xorides duplicatus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 438. [key, des.]

*Xorides albopictus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 437. [key, des., fig., host d, Canada, Ill., Ind., Mich., N.Y., N.C., Pa., Tex., W.Va.]

*Xorides albopictus* Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 180. [host c d, N.Y.]

*Xorides albopictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Xorides albopictus* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [biol., host e, N.Y.]

*Xorides albopictus* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 356. [fig., biol., host e, Conn.]

*Xorides albopictus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 407. [biol., Me.]

*Xorides albopictus* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Xorides albopictus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 737. [fig. ♂ genitalia]

BUPRESTIDAE: a, *Agrilus* sp.; b, *Dicerca lurida*. CERAMBYCIDAE: c, *Neoclytus acuminatus*; d, *Saperda discoidea*; e, *Saperda tridentata*.

***Xorides australis* (Cresson)**

*Xylonomus australis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. ♀. [key, o.d., La. (A.N.S.P.), Tex.]

*Xylonomus australis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]

*Xylonomus australis* Harrington, Canad. Ent., 1893, 21: 134. [key.]

*Xylonomus stigmaterus* Howard, The Insect Book, 1902, plate 9, fig. 2. ♂. Mis-determined.

*Xylonomus (Moerophora) piceatus* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 357. ♀. [syn., o.d., Dade Co., Fla. (U.S.N.M.)] New synonymy.

*Xorides australis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, La., Tex.]

*Xorides piceatus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, syn.]

***Xorides calidus* (Provancher)**

*Xylonomus calidus* Provancher, Addit. Faune Canada Hymén., 1886, p. 119. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]

*Xylonomus pulcher* Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 450. ♀. [o.d., Cadet, Mo. (U.S.N.M.)]

*Xylonomus calidus* Harrington, Canad. Ent., 1891, 23: 134. [key]

*Xylonomus pulcher* Harrington, Canad. Ent., 1891, 23: 134. [key]

*Aplomerus nasonii* Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♂. [o.d., Algonquin, Ill. (A.N.S.P.)]

*Anodontomerus nasonii* Dalla Torre, Cat. Hymen., 1901, 3: 392. [syn.]

*Xorides calidus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 438. [key, syn., des., host a c d, Canada, Md., Mo., N.C., Pa., Tex.]

*Xorides calidus* Champlain, Psyche, 1922, 29: 97. [host b, Pa.]

*Xorides calidus* Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 180. [biol., N.Y.]

*Xorides calidus* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]

*Xorides calidus* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

BUPRESTIDAE: a, *Chrysobothris femorata*. MELANDRYIDAE: b, *Dircaea quadrimaculata*. CERAMBYCIDAE: c, *Astylopsis macula*; d, ?*Curius dentatus*.

***Xorides californicus* (Cresson)**

*Xylonomus californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀. [o.d., Calif. (A.N.S.P.)]

*Xylonomus californicus* Harrington, Canad. Ent., 1893, 21: 134. [key.]

*Xylonomus catomus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 372. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

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*Xorides californicus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des., host *b*, Calif.]

*Xorides catomus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des., host *a c d*, Calif., Colo., Mont., Ore.]

*Xorides catomus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [B.C.]

*Xorides catomus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

ELATERIDAE: *a*, *Alaus oculatus*. BUPRESTIDAE: *b*, *Buprestis laeviventris*; *c*, *Chalcophora angulicollis*. AEGERIIDAE: *d*, ?*Paranthrene perlucida*.

***Xorides cincticornis* (Cresson)**

*Xylonomus cincticornis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 288. ♀. [o.d., Colo. (A.N.S.P.)]

*Xylonomus cincticornis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]

*Xylonomus cincticornis* Harrington, Canad. Ent., 1893, 21: 134. [key]

*Xylonomus (Moerophora) modestus* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 358. ♂. [o.d., Skykomish, Wash. (U.S.N.M.)]

*Xorides cincticornis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key, syn., des., host *a*, Colo., Ore., Wash.]

CERAMBYCIDAE: *a*, *Anoploclera chrysocoma*?

***Xorides eastoni* (Rohwer)**

*Xylonomus (Moerophora) eastoni* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 356. ♀. [o.d., Fall River, Mass. (U.S.N.M.)]

*Xorides eastoni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 442. [key, des.]

***Xorides frigidus* (Cresson)**

*Xylonomus frigidus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♀. [key, o.d., Hudson Bay Territory (A.N.S.P.)]

*Xylonomus frigidus* Provancher, Nat. Canad., 1874, 6: 59. [key, Que.]

*Xylonomus frigidus* Provancher, Nat. Canad. 1880, 12: 101. (Faune, p. 489.) [key, des.]

*Xylonomus frigidus* Harrington, Canad. Ent., 1893, 21: 134. [key]

*Xylonomus frigidus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. [Alaska, Canada, New England, N.Y.]

*Xylonomus (Xylonomus) plesius* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 354. ♀. [o.d., (?U. S.) (U.S.N.M.)]

*Xylonomus (Moerophora) yukonensis* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 355. ♀. [o.d., Fort Yukon, Alaska (U.S.N.M.)] New synonymy.

*Xorides frigidus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 436. [key, syn.]

*Xorides yukonensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 436. ♂. [key, des., Alaska, Colo., Que.]

*Xorides frigidus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

***Xorides harringtoni* (Rohwer)**

*Xylonomus canadensis* Harrington, Canad. Ent., 1891, 23: 134. ♂, ♀. [key, o.d., ?Ottawa, Ont. (C.N.C.)] Preoccupied in *Xorides* by Provancher, 1875.

- Xylonomus canadensis* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]  
*Xylonomus canadensis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Xorides harringtoni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 443. [key, des.,  
 new name for *Xylonomus canadensis* Harrington]

**Xorides humeralis** (Say)

- Anomalon humerale* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 74.  
 (Leconte Ed., 1: 378.) ♀. [o.d., Ind. (type destroyed)]  
*Xorides humeralis* Say, Boston Jour. Nat. Hist., 1836, 1: 223. (Leconte Ed.,  
 2: 682.) ♂. [des.]  
*Xylonomus humeralis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]  
*Xylonomus humeralis* Provancher, Nat. Canad. 1874, 6: 59. [key, Que.]  
*Xylonomus Lavallensis* Provancher, Nat. Canad., 1874, 6: 59. ♀. [key, o.d.,  
 Que. (M.P.Q.)]  
*Xylonomus humeralis* Provancher, Nat. Canad., 1880, 12: 100; (Faune, p. 488).  
 [key, syn., des.]  
*Xylonomus humeralis* Harrington, Canad. Ent., 1893, 21: 134. [key, Ont.,  
 Que.]  
*Xylonomus humeralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
 310. [key]  
*Xorides humeralis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 434. [key, syn.,  
 host a, Ind., Md., Mass., N.Y., N.C., Ont., Que., Tex., Va.]  
*Xorides humeralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]  
*Xorides humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 940. [N.Y.]  
*Xorides humeralis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Man.,  
 N.B.]  
*Xorides humeralis* Brimley, Insects of N.C., 1938, p. 410. [N.C.]  
*Xorides humeralis* Hoffman, Bull. Brooklyn Ent. Soc., 1940, 35: 63. [N.J.]  
 CERAMBYCIDAE: a, *Phymatodes varius*.

**Xorides insularis** (Cresson)

- Poemeria* (!) *insularis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380.  
 ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]  
*Xylonomus insularis* Cresson, Synops. Hymen. N. Amer., 1887, p. 220. [syn.]  
*Xylonomus insularis* Harrington, Canad. Ent., 1891, 23: 134. [key]  
*Xylonomus insularis* Hopkins, Bull. W.Va. Agr. Exp. Sta., 1893, 32: 218.  
 [W.Va.]  
*Xorides insularis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 441. [key, des.,  
 host b c d e f g, Calif., Ore., Wash.]  
*Xorides insularis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]  
*Xorides insularis* Bedard, Canad. Ent., 1938, 70: 195. [host a h, Ida.]

BUPRESTIDAE: a, buprestid. CERAMBYCIDAE: b, *Atimia dorsalis*; c, *Hemicallidium*  
*amethystinum*; d, *Melanophila fulvoguttata* var. *drummondi*; e, *Semanotus lignea*; f, *Tetro-*  
*pium cinnamopterum*; g, *Tetropium velutinum*; h, cerambycid.

**Xorides maudae** (Davis)

*Xylonomus maudae* Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♀. [o.d., ?Seattle, Wash. (A.N.S.P.)]

*Xorides maudae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 435. [key, Calif., Ore.]

**Xorides neoclyti** (Rohwer)

*Moerophora neoclyti* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 223. ♂. [o.d., host *a*, Santa Catalina Mts., Ariz. (U.S.N.M.)]

*Xorides neoclyti* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 435. [key, des.]

CERAMBYCIDAE: *a*, *Neoclytus caprea*.

**Xorides rileyi** (Ashmead)

*Xylonomus rileyi* Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 450. ♀. [o.d., Mo. (U.S.N.M.)]

*Xylonomus rileyi* Howard, Insect Life, 1889, 2: 197. [D.C.]

*Xylonomus Rileyi* Harrington, Canad. Ent., 1893, 21: 134. [key]

*Xylonomus rileyi* Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1897, 7: 72. [host *d*, Va.]

*Xylonomus* (*Xylonomus*) *lepturae* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 534. ♀. [o.d., host *a*, Cherrydale, Va. (U.S.N.M.)]

*Xorides rileyi* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 440. [key, syn., des., fig., host *a b c d*, D.C., Mo., N.C., Pa., Va.]

*Xorides rileyi* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Anoplodera nitens*; *b*, *Phymatodes aereus*; *c*, *Romaleum atomarium*; *d*, *Xylotrechus colonus*.

**Xorides ruficoxis** (Rohwer)

*Xylonomus* (*Xylonomus*) *ruficoxis* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 354. ♀. [o.d., Apalachicola, Fla. (U.S.N.M.)]

*Xorides ruficoxis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 440. [key, des.]

**Xorides stigmapterus floridanus** (Ashmead) new combination

*Xylonomus floridanus* Ashmead, Proc. U. S. Nat. Mus., 1889, 12: 451. ♀. [o.d., Archer, Fla. (U.S.N.M.)]

*Xylonomus floridanus* Harrington, Canad. Ent., 1893, 21: 134. [key]

*Xorides floridanus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key]

**Xorides stigmapterus stigmapterus** (Say)

*Acoenitus stigmapterus* Say, Keating's Narrat. Exped., 2, 1824, app. p. 325. (Leconte Ed., 1: 218.) ♀. [o.d., North-west Territory (type destroyed)]

*Xylonomus stigmapterus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 167. [key]

*Xylonomus stigmapterus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 165. ♂, ♀. [des.]

*Xylonomus stigmapterus* Provancher, Nat. Canad., 1874, 6: 59., [key, Que.]

*Xylonomus stigmapterus* Provancher, Nat. Canad., 1880, 12: 101; (Faune, p. 488). [key, des., Ont., Que.]

- Xylonomus stigma* Harrington, Canad. Ent., 1891, 23: 134. [key]  
*Xylonomus stigma* Slosson, Ent. News, 1894, 5: 4. [N.H.]  
*Xylonomus stigma* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Xylonomus stigma* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]  
*Xylonomus stigma* Nason, Ent. News, 1905, 16: 172. [Ill.]  
*Xylonomus stigma* Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 411: 118. [Ont.]  
*Xylonomus stigma* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]  
*Xylonomus stigma* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 310. [key]  
*Xorides stigma* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 444. [key, host a, D.C., N.Y., Pa., Que., Va.]  
*Xorides stigma* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]  
*Xorides stigma* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]  
*Xorides stigma* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]  
*Xorides stigma* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [N.S., Ont.]  
*Xorides stigma* Brown, Canad. Ent., 1934, 66: 262. [Ont.]  
*Xorides stigma* Brimley, Insects of N.C., 1938, p. 410. [N.C.]  
*Xorides stigma* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 735, 737. [fig. ♂ genitalia]

CERAMBYCIDAE: a, *Anoplodera proxima*.

#### ODONTOCOLON Cushman

*Odontomerus* Gravenhorst, Ichneum. Europeae, 1829, 3: 851. Preoccupied by Leach, 1819.

Genotype: *Ichneumon dentipes* Gmelin.

*Odontocolon* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 179. New name for *Odontomerus* Gravenhorst.

#### *Odontocolon abdominale* (Cresson) new combination

*Odontomerus abdominalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 289. ♀. [o.d., Colo. (A.N.S.P.)]

*Odontomerus abdominalis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key]

*Odontomerus abdominalis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key, N.Y.]

*Odontomerus abdominalis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key, des.]

*Odontomerus abdominalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Odontomerus abdominalis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 6. [key, syn., des.]

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**Odontocolon aethiops** (Cresson) new combination

*Odontomerus aethiops* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 289. ♂, ♀.  
[o.d., Colo. (A.N.S.P.)]

*Odontomerus aethiops* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key]

*Odontomerus aethiops* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

*Odontomerus aethiops* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, des., Calif., Colo.]

*Odontomerus aethiops* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 9.  
[key, des.]

**Odontocolon atripes** (Rohwer) new combination

*Odontomerus atripes* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 358. ♂, ♀.  
[o.d., Franconia, N.H. and Princeton, Me. (U.S.N.M.)]

*Odontomerus atripes* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

*Odontomerus atripes* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key]

*Odontomerus aethiops* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.  
[Me.] Misdetermined.

*Odontomerus atripes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Odontomerus atripes* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 5. [key, syn., des., Me., Mass., N.H., N.Y., Ont., Pa., Que.]

*Odontomerus atripes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]

**Odontocolon bicolor** (Cresson) new combination

*Odontomerus bicolor* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 169. ♀. [key, o.d., Pa. (A.N.S.P.)]

*Odontomerus bicolor* Provancher, Nat. Canad., 1880, 12: 102. (Faune, p. 490.)  
[key, des., Que.]

*Odontomerus bicolor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575.  
[N.J.]

*Odontomerus bicolor* Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C.]

*Odontomerus bicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 311.  
[key]

*Odontomerus bicolor* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key.]

*Odontomerus bicolor* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 456. [key, Tex.]

*Odontomerus bicolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 940. [N.Y.]

*Odontomerus bicolor* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 6.  
[key, des.]

*Odontomerus bicolor* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

**Odontocolon brevicaudum** (Cushman) new combination

*Odontomerus brevicaudus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 7.  
♀. [key, o.d., Hedley, B.C. (C.N.C.) Alta.]



**Odontocolon canadense** (Provancher)

*Exochus propinquus* Provancher, Nat. Canad., 1875, 7: 138. ♂. [key, Que.]  
Misdetermined.

*Odontomerus canadensis* Provancher, Nat. Canad., 1877, 9: 16. ♀. [o.d.,  
Que. (M.P.Q.)]

*Odontomerus canadensis* Provancher, Nat. Canad., 1880, 12: 102; (Faune, p.  
490). [key, syn., des.]

*Odontomerus canadensis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Odontomerus tibialis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 11.  
♂, ♀. [key, syn., o.d., fig., Mt. Desert, Me. (U.S.N.M.) N.Y., N.C., Ont.,  
Que.]

*Odontomerus canadensis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 13.  
[syn. (in part)]

*Odontomerus tibialis* Bedard, Canad. Ent., 1938, 70: 195. [host a, Ida.]

*Odontocolon canadensis* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. [syn.]

CERAMBYCIDAE: a, *Tetropium* sp.

**Odontocolon dichrous** (Rohwer) new combination

*Odontomerus dichrous* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 361. ♀.  
[o.d., Longmire, Wash. (U.S.N.M.)]

*Odontomerus dichrous* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

*Odontomerus dichrous* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, Ida.]

*Odontomerus dichrous* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Odontomerus dichrous* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
941. [N.Y.]

*Odontomerus dichrous* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 56.  
[key, des., B.C., Ida., Wash.]

*Odontomerus dichrous* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

**Odontocolon mellipes** (Say) new combination

*Anomalon mellipes* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 75.  
(Leconte Ed., 1: 378.) ♀. [o.d., Ind. (type destroyed)]

*Anomalon mellipes* Say, Boston Jour. Nat. Hist., 1836, 1: 242. (Leconte Ed.,  
2: 697.) ♂, ♀. [des.]

*Odontomerus mellipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. [key, des.]

*Odontomerus mellipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 164. ♀.  
[des.]

*Odontomerus mellipes* Provancher, Nat. Canad., 1874, 6: 60. [Que.]

*Odontomerus mellipes* Provancher, Nat. Canad., 1875, 7: 239. [Que.]

*Odontomerus mellipes* Provancher, Nat. Canad., 1880, 12: 102; (Faune, p. 490).  
[key]

*Odontomerus mellipes* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Odontomerus mellipes* Smith, Rpt. N.J. Geologist, 1890, 2: 32. [N.J.]

*Odontomerus mellipes* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Odontomerus mellipes* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

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- Odontomerus mellipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900. 27, suppl.: 575. [N.Y.]
- Odontomerus mellipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 202. [Alaska, Fla., Atlantic to Pacific.]
- Odontomerus mellipes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [N.J.]
- Odontomerus errans* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 360. ♀. [o.d., S.D. (U.S.N.M.)]
- Odontomerus mellipes* Brooks, Bull. U. S. Dept. Agr., 1915, 262: 6. [host *a*, W.Va.]
- Odontomerus mellipes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
- Odontomerus mellipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 311. [key, Conn.]
- Odontomerus errans* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key.]
- Odontomerus mellipes* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]
- Misdetermined in part.
- Odontomerus mellipes* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Odontomerus mellipes* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 458. [key, des., host *a*, Canada, D.C., Ida., N.Y., Pa., S.D., W.Va.] Misdetermined in part.
- Odontomerus mellipes* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Odontomerus mellipes* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Odontomerus mellipes* Walley, Canad. Ent., 1927, 59: 74. [syn., des. (in part)]
- Odontomerus mellipes* Cushman, Mem. Cornell Univ. Agr. Exp., Sta., 1928, 101: 941. [N.Y.]
- Odontomerus mellipes* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 10. [key, syn., des., fig., Ark., N.C., N.D., N.S.]
- Odontomerus mellipes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]
- Odontomerus mellipes* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Parandra brunnea*.

***Odontocolon polymorphum* Cushman**

- Odontocolon polymorphum* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 180. ♂, ♀. [o.d., fig., host *a*, Seattle, Wash. (U.S.N.M.)]
- ANOBIIDAE: *a*, anobiid.

***Odontocolon punctatum* (Cushman) new combination**

- Odontomerus punctatus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 12. ♀. [key, syn., o.d., host *a*, Priest River, Ida. (U.S.N.M.)]
- CERAMBYCIDAE: *a*, *Leptura obliterata*.

***Odontocolon punctulatum* (Thomson) new combination**

- Odontomerus punctulatus* Thomson, Opusc. Ent., 1877, 8: 777. ♀. [o.d., "Småland," Sweden (?Lund Mus.)]

*Odontomerus alaskensis* Rohwer, Proc. U. S. Nat. Mus., 1913, 45: 360. ♀.  
[o.d., Sitka, Alaska (U.S.N.M.)] New synonymy.

*Odontomerus alaskensis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]

*Odontomerus alaskensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, des.]

*Odontomerus alaskensis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 9.  
[key, des.]

**Odontocolon strangaliae** var. **strangaliae** (Rohwer) new combination

*Odontomerus strangaliae* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 158. ♀.  
[o.d., host *a*, Ballston, Va. (U.S.N.M.)]

*Odontomerus abdominalis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 103.  
Misdetermined in part.

*Odontomerus strangaliae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. [key, N.Y., Pa., Va.]

*Odontomerus strangaliae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]

*Odontomerus strangaliae* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 7.  
[key, syn., des., Md., N.Y., Ont., Pa., Que., Va.]

*Odontomerus strangaliae* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]

CERAMBYCIDAE: *a*, *Strangalina luteicornis*.

**Odontocolon strangaliae** var. **albotibiale** (Bradley) new combination

*Odontomerus albotibialis* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 103.  
♀. [key, o.d., Chicore Woods, Ithaca, N.Y. (Cornell Univ.)]

*Odontomerus mellipes* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [key, N.Y.] Misdetermined in part.

?*Odontomerus* (!) *canadensis* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1918, 10: 100. [host *a*, N.Y.] Misdetermined?.

*Odontomerus canadensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 458. [key, des., fig., host, distribution] Misdetermined in part.

?*Odontomerus canadensis* Champlain, Psyche, 1922, 29: 97. [host *b*, Pa.] Misdetermined?.

*Odontomerus canadensis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.] Misdetermined.

*Odontomerus canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.] Misdetermined.

*Odontomerus mellipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.] Misdetermined.

*Odontomerus mellipes* Walley, Canad. Ent., 1927, 59: 74. [syn., des. (in part)]

*Odontomerus canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 941. [N.Y.] Misdetermined.

?*Odontomerus striatus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 14.  
♀. [key, o.d., Lyme, Conn. (U.S.N.M.)] Preoccupied by Brullé, 1846.  
New synonymy.

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- Odontomerus albotibialis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 14. [key, des.]
- Odontomerus canadensis* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 13. [key, syn. (in part), des., fig., Canada, N.M., Ore., Va.] Misdetermined.
- Odontomerus canadensis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C., Ont., Que.] Misdetermined.
- Odontomerus canadensis* Brimley, Insects of N.C., 1938, p. 410. [N.C.] Misdetermined.
- Odontomerus albotibialis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]
- Odontomerus canadensis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia] Misdetermined.
- Odontocolon albotibialis* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. [syn.]
- ?*Odontocolon aciculatus* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 182. New name for *Odontomerus striatus* Cushman.
- CERAMBYCIDAE: a, ?*Phymatodes dimidiatus*, b, ?cerambycid in *Rhus* sp.

***Odontocolon vicinum* (Cresson) new combination**

- Odontomerus vicinus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 168. ♂. [key, o.d., Mass. (A.N.S.P.)]
- Odontomerus vicinus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Odontomerus vicinus* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 102. [key]
- Odontomerus vicinus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 457. ♂. [key, des.]
- Odontomerus vicinus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Odontomerus vicinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 941. [N.Y.]
- Odontomerus vicinus* Cushman, Proc. U. S. Nat. Mus., 1930, 77, art. 3: 4, 15. ♂, ♀. [key, syn., des., D.C., Md., Mass., N.H., N.Y., Ont., Pa., Que., Va.]
- Odontomerus vicinus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont., Que.]
- Odontomerus vicinus* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [host a, N.Y.]
- BUPRESTIDAE: a, *Dicerca divaricata*.

**APLOMERUS** Provancher

- Platysoma* Provancher, Canad. Ent., 1885, 17: 117. Preoccupied by Leach, 1817, by Liénard, 1832, and by Brandt, 1835.
- Genotype: *Platysoma tibialis* Provancher.
- Aplomerus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. New name for *Platysoma* Provancher.
- Anodontomerus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 61.
- Genotype: *Aplomerus tibialis* Provancher.
- Haplomerus* Dalla Torre, Cat. Hymen., 1901, 3: 392. Emendation of *Aplomerus* Provancher.

**Aplomerus buprestivorus** Rohwer

*Aplomerus buprestivorus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 453. ♀.  
[key, o.d., host *a*; Ashland, Ore. (U.S.N.M.)]

BUPRESTIDAE: *a*, buprestid.

**Aplomerus lineatulus** (Say)

*Anomalon lineatulus* Say, Boston Jour. Nat. Hist., 1836, 1: 244. (Leconte Ed., 2: 699.) ♂. [o.d., Ind. (type destroyed)]

*Aplomerus foutsii* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 454. ♀. [key, o.d., Cabin John, Md. (U.S.N.M.) Kans.]

*Aplomerus lineatulus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157. [syn., Kans.]

*Aplomerus decorus* Viereck, Canad. Ent., 1926, 58: 55. ♀. [o.d., Ft. Coulonge, Que. (C.N.C.)] New synonymy.

**Aplomerus tibialis** (Provancher)

*Platysoma tibialis* Provancher, Canad. Ent., 1885, 17: 115. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

*Platysoma tibialis* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]

*Aplomerus tibialis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 120. ♀. [des.]

*Aplomerus tibialis* Harrington, Canad. Ent., 1897, 29: 46. [biol., B.C.]

*Anodontomerus tibialis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 61. [syn.]

*Aplomerus tibialis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 454. [key, des.]

*Aplomerus tibialis* Essig, Insects of Western N. Amer., 1926, p. 793. [fig., B.C., Wash.]

Subfamily 1. ICHNEUMONINAE

Tribe 10. ACOENITINI

**COLEOCENTRUS** Gravenhorst

*Coleocentrus* Gravenhorst, Ichneum. Europeae, 1829, 3: 437.

Genotype: *Ichneumon excitator* Poda

*Macrocoleus* Desvignes, Trans. Ent. Soc. London, (1849), 1850, p. 12.

Genotype: (*Macrus longiventris* Gravenhorst) = *excitator* Poda.

**Coleocentrus flavipes** (Provancher)

*Acoenites flavipes* Provancher, Nat. Canad., 1874, 6: 80. ♀. [o.d., Que. (M.P.Q.)]

*Acoenites flavipes* Provancher, Nat. Canad., 1880, 12: 10; (Faune, p. 441). [key, des.]

*Acoenites Canadensis* Provancher, Nat. Canad., 1880, 12: 10; (Faune, p. 442). ♂. [key, o.d., Que. (M.P.Q.)]

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*Coleocentrus flavipes* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. [key, syn., des.]

*Coleocentrus minor* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. ♀. [key, o.d., host *a*, Pisgah Ridge, N.C. (U.S.N.M.)] New synonymy.

*Coleocentrus flavipes* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733. [fig. ♂ genitalia.]

CERAMBYCIDAE: *a*, ?*Leptura* sp.

***Coleocentrus harringtoni* Cushman**

*Coleocentrus canadensis* Harrington, Canad. Ent., 1892, 25: 29. ♀. [key, o.d., Casselman, Ont. (C.N.C.)] Preoccupied in *Coleocentrus* by Provancher, 1880.

*Coleocentrus harringtoni* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 509. ♀. [key, des., new name for *Coleocentrus canadensis* Harrington]

*Coleocentrus harringtoni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

***Coleocentrus manni* Cushman**

*Coleocentrus manni* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 512. ♂, ♀. [key, o.d., Orens Is., Wash. (U.S.N.M.)]

***Coleocentrus niger* Cushman**

*Coleocentrus niger* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 508. ♀. [key, o.d., Whitefish Pt., Mich. (U.S.N.M.)]

***Coleocentrus occidentalis* Cresson**

*Coleocentrus occidentalis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♀. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Coleocentrus occidentalis* Harrington, Canad. Ent., 1893, 25: 31. [key]

*Coleocentrus occidentalis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]

*Coleocentrus occidentalis* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 509. ♂, ♀. [key, des., fig., B.C., Ida., Ore., Wash.]

***Coleocentrus pettiti* Cresson**

*Coleocentrus Pettiti* Cresson, Canad. Ent., 1868, 1: 35. ♀. [o.d., Grimsby, Ont. (A.N.S.P.)]

*Coleocentrus Quebecensis* Provancher, Nat. Canad., 1874, 6: 79. ♀. [o.d., Que. (M.P.Q.)]

*Coleocentrus Pettitii* Provancher, Nat. Canad., 1880, 12: 8; (Faune, p. 440). [key, syn., des.]

*Coleocentrus Pettitii* Harrington, Canad. Ent., 1893, 25: 30. ♂, ♀. [key, des.]

*Xenoschesis alpinensis* Slosson, Ent. News, 1894, 5: 4. [N.H.] Nomen nudum.

*Coleocentrus Pettitii* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Coleocentrus pettitii* Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

*Coleocentrus pettitii* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Coleocentrus quebecensis* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 511. [key, des.]

*Coleocentrus pettitii* Cushman, Proc. U. S. Nat. Mus. 1920, 57: 511. [key, des., N.S., Pa.]

*Coleocentrus pettitii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Coleocentrus pettitii* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

***Coleocentrus pulchripennis* Cushman**

*Coleocentrus pulchripennis* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 512. ♀. [key, o.d., Tuolumne Co., Calif. (U.S.N.M.)]

***Coleocentrus rufocoxatus* Pratt**

*Coleocentrus rufocoxatus* Pratt, Bull. Brooklyn Ent. Soc., 1936, 31: 11. ♀. [o.d., Laurel Lake, 1700 ft., Jacksonville, Vt. (U.S.N.M.)]

***Coleocentrus rufus* Provancher**

*Coleocentrus rufus* Provancher, Nat. Canad., 1876, 8: 316. ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Coleocentrus rufus* Provancher, Nat. Canad., 1880, 12: 9; (Faune, p. 441). [key, des.]

*Coleocentrus rufus* Harrington, Canad. Ent., 1893, 25: 30. [key]

*Coleocentrus rufus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [Pa.]

*Coleocentrus rufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 327. [des., Conn.]

*Coleocentrus rufus* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 513. [key, des., Mich.]

*Coleocentrus similis* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 514. ♂, ♀. [key, o.d., Montgomery Co., Pa. (U.S.N.M.) Md., Va.] New synonymy.

*Coleocentrus rufus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Coleocentrus similis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Coleocentrus rufus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Coleocentrus rufus* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

*Coleocentrus similis* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

**AROTES** Gravenhorst

*Arotes* Gravenhorst, Ichneum. Europeae, 1829, 3: 446.

Genotype: *Arotes albicinctus* Gravenhorst.

*Sphalerus* Kriechbaumer, Ent. Nachr., 1878, 4: 41.

Genotype: (*Sphalerus bifasciatus* Kriechbaumer) = *albicinctus* Gravenhorst.

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**Arotes amoenus** Cresson

?*Acaenitus amoenus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 586. [Mass.] Nomen nudum.

*Arotes amoenus* Cresson, Canad. Ent., 1868, 1: 34. ♀. [o.d., Ont. (A.N.S.P.)]

*Arotes amoenus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. [key, Canada, Mass., Pa., W.Va.]

*Arotes amoenus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 151. ♂. [des.]

*Tropistes elegans* Provancher, Nat. Canad., 1874, 6: 80. ♂. [o.d., Que. (M.P.Q.)]

*Arotes amaenus* (!) Provancher, Nat. Canad., 1874, 6: 81. [key, Que.]

*Arotes amaenus* (!) Provancher, Nat. Canad., 1880, 12: 11; (Faune, p. 443). [key, syn., des.]

*Arotes amoenus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Arotes amoenus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Arotes amoenus* Howard, The Insect Book, 1902, plate 10, fig. 24.

*Arotes amoenus* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Arotes amoenus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

*Arotes amoenus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

*Arotes amoenus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Arotes amoenus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key, Conn.]

*Arotes amoenus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 519. [key, des., Canada, Conn., Me., Md., Mass., N.H., N.Y., N.C., Pa., Que., Tex., Va., Wis.]

*Arotes amoenus* Brues, Psyche, 1927, 34: 80. [host a, Mass.]

*Arotes amoenus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Arotes amoenus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939, [N.Y.]

*Arotes amoenus* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

*Arotes amoenus* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

*Arotes amoenus* Pratt, Jour. N.Y. Ent. Soc., 1940, 48: 155-193, fig. [morphology]

CERAMBYCIDAE: a, ?cerambycid.

**Arotes decorus** (Say)

*Acoenitus decorus* Say, Boston Jour. Nat. Hist., 1836, 1: 248. (Leconte Ed., 2: 702.) ♀ (only). [o.d., Ind. (type destroyed)]

*Arotes decorus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key, W.Va.]

*Arotes decorus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. [Tex.]

*Arotes decorus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 149. ♀. [des., Ill.]

*Arotes decorus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Arotes decorus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.Y.]

*Arotes decorus* Felt, Forest and Shade Tree Insects of N.Y., 1905, 1: 261. [host c]



- Arotes decorus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]  
*Arotes decorus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]  
*Arotes decorus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 517. [key, des., fig.,  
 host *a*, Ga., Mo., Pa., Va., Wis.]  
*Arotes decorus* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924,  
 17: 176. [host ?*a b*, N.Y.]  
*Arotes decorus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939.  
 [N.Y.]  
*Arotes decorus* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]  
*Arotes decorus* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]
- MORDELLIDAE: *a*, *Tomoxia bidentata*. BUPRESTIDAE: *b*, ?*Dicerca lurida*. CERAM-  
 BYCIDAE: *c*, *Xylotrechus colonus*.

***Arotes formosus* Cresson**

- Arotes formosus* Cresson, Canad. Ent., 1868, 1: 34. ♂. [o.d., Ottawa, Ont.  
 (A.N.S.P.)]  
*Arotes formosus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key,  
 des., Canada, Mass.]  
*Arotes formosus* Provancher, Nat. Canad., 1874, 6: 81. [key, Que.]  
*Arotes formosus* Provancher, Nat. Canad., 1880, 12: 11; (Faune, p. 442).  
 [key, des., Que.]  
*Arotes formosus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Arotes formosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326.  
*Arotes formosus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 519. [key, des.,  
 Mass., Mich., Pa., Que.]  
*Arotes formosus* Champlain, Psyche, 1922, 29: 98. [host *a*, Pa.]  
*Arotes formosus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- CERAMBYCIDAE: *a*, *Bellamira scalaris*.

***Arotes maurus* Rohwer**

- Arotes maurus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 517. ♀. [key, o.d.,  
 Mission, B.C. (U.S.N.M.)]

***Arotes melleus* (Say)**

- Acoenitus melleus* Say, Boston Jour. Nat. Hist., 1836, 1: 249. (Leconte Ed., 2:  
 703.) ♀. [o.d., Ind. (type destroyed)]  
*Arotes melleus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 516. ♀. [key, des.,  
 N.J.]

***Arotes occipitalis* Cresson**

- Arotes occipitalis* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂. [o.d.,  
 W.Va. (A.N.S.P.)]  
*Arotes apicatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♀. [o.d.,  
 Agricultural College, Mich. (A.N.S.P.)]
- MEM. AMER. ENT. SOC., 11 pt. 1.

*Arotes occipitalis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 520. [key, syn., des., host *a*, Md., Mich., N.J., Va., W.Va.]

*Arotes occipitalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Arotes occipitalis* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

CERAMBYCIDAE: *a*, *Strangalina bicolor*.

***Arotes rupinsulensis* (Cresson)**

*Acoenitus rupinsulensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 143. ♀. [o.d., Ill. (A.N.S.P.)]

*Acoenitus rupinsulensis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 152. ♂, ♀. [des.]

*Arotes rupinsulensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 516. ♀. [key, des.]

***Arotes vicinus* Cresson**

*Arotes vicinus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂. [key, o.d., Mass. (A.N.S.P.)]

*Arotes venustus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 260. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), W.Va.]

*Arotes superbus* Provancher, Nat. Canad., 1874, 6: 81. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Arotes vicinus* Provancher, Nat. Canad., 1880, 12: 11. (Faune, p. 443.) [key, syn., des.]

*Arotes vicinus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Arotes venustus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Arotes vicinus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Arotes vicinus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Arotes vicinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]

*Arotes venustus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 326. [key]

*Arotes vicinus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 520. [key, syn., des., host *a*, Mich., N.Y., Pa., S.D., Va.]

*Arotes vicinus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Arotes vicinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 939. [N.Y.]

*Arotes vicinus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 733, 737. [fig. ♂ genitalia]

CERAMBYCIDAE: *a*, *Strangalepta vittata*.

## Subfamily 2. TRYPHONINAE

## Tribe 1. THYMARIDINI

**ECLYTUS** Holmgren

*Eclytus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 127.

Genotype: *Eclytus ornatus* Holmgren.

**Eclytus fontinalis** Holmgren

*Eclytus fontinalis* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 128. ♂, ♀.

[o.d., southern Sweden (?Stockholm Mus.)]

*Eclytus yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. ♂.

[o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

*Himertosoma schmiedeknechti* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 194.

♂. [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

**Eclytus ornatus** Holmgren

*Eclytus ornatus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 127. ♂, ♀.

[o.d., Sweden (?Stockholm Mus.)]

*Eclytus perennis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 305. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), N.Y.] New synonymy.

*Eclytus perennis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

*Spanotecnus flavopictus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 204. ♂.

[o.d., Unalaska, Alaska (U.S.N.M.)] New synonymy.

*Eclytus perennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Eclytus ornatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Eclytus pleuralis** (Provancher)

*Mesoleptus decens* Provancher, Nat. Canad., 1875, 7: 115. [key, des., Que.]

Misdetermined.

*Mesoleptus decens* Provancher, Nat. Canad., 1875, 7: 282. [key] Misdetermined.

*Orthocentrus pleuralis* Provancher, Nat. Canad., 1875, 7: 328. ♀. [o.d., Que. (type lost)]

*Eclytus pleuralis* Provancher, Nat. Canad., 1879, 11: 250; (Faune, p. 408). [key, des., syn.]

*Eclytus pleuralis* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Eclytus pleuralis* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Eclytus pleuralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 305. ♂, ♀. [key, des., Canada, Mich., N.H., Wash.]

*Eclytus pleuralis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.Y.]

*Eclytus decens* Dalla Torre, Cat. Hymen., 1901, 3: 379. [syn. (in part)]

- Calliphhrurus? taeniogaster* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 585. ♂.  
[o.d., North East, Pa. (U.S.N.M.)] New synonymy.
- Eclytus pleuralis* Hartzell, Jour. Econ. Ent., 1919, 12: 236, 237. [host b, N.Y.]
- Eclytus pleuralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]
- Eclytus pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.  
[N.Y.]
- Eclytus pleuralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:  
103. [Mass.]
- Eclytus pleuralis* Walley, Canad. Ent., 1933, 65: 255. ♂. [syn., des., host c]
- Eclytus pleuralis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host a,  
Canada]
- Eclytus pleuralis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- TORTRICIDAE: a, *Argyrotaenia lutosana*; b, *Argyrotaenia pinatubana*. PHYCITIDAE: c,  
*Acrobasis kearfottella*.

### NELIOPISTHUS Thomson

- Neliopisthus* Thomson, Opusc. Ent., 1883, 9: 907.
- Genotype: *Phytodietus elegans* Ruthe.
- Polysphinctomorpha* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59.
- Genotype: (*Polysphinctomorpha luggeri* Ashmead) = *semirufus* Provancher.
- Neliopisthus densatus** (Say)
- Anomalon densatus* Say, Boston Jour. Nat. Hist., 1836, 1: 243; (Leconte Ed., 2:  
698). ♀. [o.d., Ind. (type destroyed)]
- Neliopisthus similis* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 379. ♀. [key,  
o.d., Wood Co., W.Va. (U.S.N.M.)]
- Neleopisthus* (!) *densatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921,  
23: 155. [syn., des.]
- Neliopisthus densatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Neliopisthus densatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
944. [N.Y.]
- Neliopisthus densatus* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]
- Neliopisthus densatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

### Neliopisthus niger Cushman

- Neliopisthus niger* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 12. ♀.  
[o.d., Florissant, Colo. (U.S.N.M.)]
- Neliopisthus niger* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]
- Neliopisthus longicauda* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. ♀.  
[key, o.d., Lind, Wash. (U.S.N.M.)] New synonymy.

### Neliopisthus piceae Cushman

- Neliopisthus piceae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 555. ♂, ♀.  
[key, o.d., host a, Southport, Me. (U.S.N.M.)]
- GELECHIIDAE: a, *Recurvaria piceaella*.

**Neliopisthus semirufus** (Provancher) new combination

*Hemiteles semirufus* Provancher, Nat. Canad., 1874, 6: 332. ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles semirufus* Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326). [key, des.]

*Hemiteles semirufus* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

*Ischnocerus semirufus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Polysphincta erythropleura* Slosson, Ent. News, 1896, 7: 264. [N.H.] *Nomen nudum*.

*Polysphinctomorpha luggeri* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. (♀). [o.d., (Minn.), (U.S.N.M.)] New synonymy.

*Polysphincta erythropleura* Slosson, Ent. News., 1902, 13: 320. [N.H.] *Nomen nudum*.

*Neliopisthus nigradorsum* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 379. ♀. [key, o.d., Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

*Neliopisthus luggeri* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 380. [key, des., host b]

*Neliopisthus luggeri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [host a, N.Y.]

*Neliopisthus luggeri* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

*Neliopisthus luggeri* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]

*Neliopisthus nigradorsum* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 554. [key]

*Neliopisthus luggeri* Daviault, Nat. Canad., 1935, 62: 245. [host c, Que.]

TINEIDAE: a, tineid on *Myrica* sp.; b, *tineid*. OECOPHORIDAE: c, *Psilocorsis* sp.

**THYMARIS** Foerster

*Thymaris* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: *Thymaris pulchricornis* Brischke.

*Thymarus* Thomson, Opusc. Ent., 1883, 9: 908.

Genotype: (*Thymarus compressus* Thomson) = *pulchricornis* Brischke (by present designation)

**Thymaris negligere** (Davis) new combination

*Eusterinx negligere* Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♀. [o.d., N.J. (A.N.S.P.)]

*Callidiotes kansensis* Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 55. ♀. [o.d., Lawrence, Kans. (Univ. Kansas)] New synonymy.

*Thymaris americanus* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 381. ♂, ♀. [o.d., Rosslyn, Va. (U.S.N.M.), D.C.] New synonymy.

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**CAMPOTHREPTUS** Foerster

*Campothreptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Mesoleptus nasutus* Cresson.

*Zagryphus* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 376, 378.

Genotype: *Mesoleptus nasutus* Cresson.

**Campothreptus nasutus** (Cresson)

*Mesoleptus* ? *nasutus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♂, ♀.  
[o.d., Pa. (type lost)]

*Grypocentrus nasutus* Cresson, Synops. Hymen. N. Amer., 1887, p. 211. [syn.]

*Syncholeter americanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂.

[o.d., Jacksonville, Fla. (U.S.N.M.)] New synonymy.

*Campothreptus nasutus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 247. [syn.  
(in part)]

(Cryptinae) *americanus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 346. [syn.]

*Zagryphus nasutus* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 378. [des., fig.,  
Va., Md., Kans.]

*Zagryphus nasutus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 11.  
[key]

*Zagryphus americanus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 11.  
[key]

*Zagryphus nasutus* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

**HYBOPHANES** Foerster

*Hybophanes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Tryphon scabriculus* Gravenhorst.

*Oedemopsis* Tschek, Verh. Zool.-Bot. Ges. Wien, 1868, 18: 276.

Genotype: (*Oedemopsis rogenhoferi* Tschek) = *scabriculus* Gravenhorst.

*Zarhynchus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. Preoccupied by  
Oberholser, 1899.

Genotype: *Tryphon nasutus* Cresson.

*Rhynchothyreus* Ashmead, Canad. Ent., 1900, 32: 368. (New name for *Zarhynchus* Ashmead.)

*Oedematopsis* Morley, British Ichneum., 1908, 3: 258, 268. (Emendation of  
*Oedemopsis* Tschek.)

**Hybophanes nasutus** (Cresson)

*Tryphon* ? *nasutus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 107. ♀. [o.d.,  
Ill. (A.N.S.P.)]

*Campothreptus nasutus* Davis, Trans. Amer. Ent. Soc., 1897, 26: 247. ♂, ♀.  
[syn. (in part), des., rec., Colo., Ill., Mich., N.C., Pa.]

*Zarhynchus nasutus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 59. [syn.]

*Campothreptus nasutus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
585. [N.Y.]

*Rhynchothyreus nasutus* Dalla Torre, Cat. Hymen., 1901, 3: 404. [syn.]

- Campothreptus nasutus* Nason, Ent. News, 1905, 16: 170. [Ill.]  
*Plectiscidea (Campothreptus) nasuta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276. [key]  
*Hybophanes nasutus* Cushman, Proc. U. S. Nat. Mus., 1919, 56: 377. [des., fig., N.Y., Canada]  
*Hybophanes nasutus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

## Subfamily 2. TRYPHONINAE

## Tribe 2. PHYTODIETINI

## PHYTODIETUS Gravenhorst

- Phytodietus* Gravenhorst, Ichneum. Europeae, 1829, 2: 928.  
 Genotype: *Phytodietus astutus* Gravenhorst.  
*Phytodiaetus* Agassiz, Nomenclator Zool., 1846, Index Univ., p. 291. (Emendation of *Phytodietus* Gravenhorst.)  
*Euctenopus* Ashmead, Proc. Linnean Soc. New South Wales, 1900, 25: 351. New synonymy.  
 Genotype: *Euctenopus novaezealandicus* Ashmead.  
*Doratistes* Seyrig, Mém. Acad. Malagache, 1932, 11: 27. New synonymy.  
 Genotype: *Phytodietus (Doratistes) absyrtninus* Seyrig.

**Phytodietus burgessi** (Cresson)

- Tryphon Burgessii* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♂. [o.d., Beverly, Mass. (A.N.S.P.)]  
*Phytodietus pleuralis* Riley and Howard, Insect Life, 1891, 3: 464. [host g (corrected by Slingerland), D.C.] Misdetermined.  
*Phytodietus ? burgessi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn.]  
*Phytodietus pleuralis* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 52. [host g, correction] Misdetermined.  
*Phytodietus burgessi* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 465. ♂, ♀. [key, des., host f g i, Canada, D.C., N.J., N.Y., Pa., Tex., Wis.]  
*Phytodietus burgessi* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Phytodietus burgessi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host c d f h, N.Y.]  
*Phytodietus burgessi* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Phytodietus burgessi* Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Sta., 1929, 162: 33. [host e, Del.]  
*Phytodietus burgessi* Putman, Canad. Ent., 1935, 67: 109. [host a, Ont.]  
*Phytodietus burgessi* Edwards and Mote, Jour. Econ. Ent., 1936, 29: 1123. [host b, Ore.]

TORTRICIDAE: a, *Amelia pallorana* or *Sparganothis sulfureana*; b, *Cnephasia longana*; c, *Peronea logiana*. OLETHREUTIDAE: d, *Anchylopera platanana*; e, *Carphocapsa pomonella*; f, *Exartema sericoranum*; g, *Polychrosis liriodendrana*. PHYCITIDAE: h, *Acrobasis betulella*. Miscellaneous: i, lepidopteran on *Castanea dentata*.

**Phytodietus californicus** Cresson

*Phytodietus californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 380. ♀.  
[o.d., Calif. (A.N.S.P.)]

*Phytodietus californicus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 464. [key,  
des., Wash.]

**Phytodietus clypearius** Ashmead

*Phytodietus clypearius* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 195. ♂, ♀.  
[key, o.d., Yakutat, Alaska (U.S.N.M.)]

*Phytodietus flavifrons* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 196. ♂.  
[key, o.d., Alaska (U.S.N.M.)]

*Phytodietus clypearius* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. [key,  
syn.]

**Phytodietus facialis** Rohwer

*Phytodietus facialis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. ♀. [key,  
o.d., La. (U.S.N.M.)]

**Phytodietus fumiferanae** Rohwer

*Phytodietus fumiferanae* Rohwer, Canad. Ent., 1922, 54: 155. ♂, ♀. [o.d.,  
host a, Lillooet, B.C. (U.S.N.M.)]

*Phytodietus* sp. Tothill, Proc. Acadian Ent. Soc., 1923, 8: 176. [host a, B.C.]

*Phytodietus fumiferanae* Mathers, Forestry Chron., 1932, 8: 156. [host a, B.C.]

*Phytodietus fumiferanae* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405.  
[host b, Me.]

TORTRICIDAE: a, *Archips fumiferana*. Miscellaneous: b, lepidopterous larva.

**Phytodietus parvus** Rohwer

*Phytodietus parvus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 463. ♀. [key,  
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

*Phytodietus parvus* Hinman and Larson, Ent. News, 1935, 46: 149. [Ore.]

**Phytodietus plesia** Rohwer

*Phytodietus plesia* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 465. ♀. [key,  
o.d., Riley Co., Kans. (U.S.N.M.)]

**Phytodietus pleuralis** Cresson

*Phytodietus pleuralis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 266. ♂. [o.d.,  
Colo. (A.N.S.P.)]

*Phytodietus pleuralis* Hartzell, Jour. Econ. Ent., 1919, 12: 237, host a, N.Y.]

*Phytodietus pleuralis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 464. [key, des.,  
Colo.]

*Phytodietus pleuralis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.,  
Ont.]

TORTRICIDAE: a, *Argyrotaenia pinatubana*.



**Phytodietus pulcherrimus** (Cresson)

- Mesoleptus pulcherrimus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂.  
[o.d., Conn. (A.N.S.P.)]
- Phytodietus distinctus* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♀.  
[o.d., Del. (A.N.S.P.), Mass.]
- Phytodietus distinctus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 156. ♀.  
[des.]
- Phytodietus zonatus* Provancher, Nat. Canad., 1874, 6: 79. ♀. [o.d., Que.  
(M.P.Q.)]
- Mesoleptus pulcherrimus* Provancher, Nat. Canad., 1875, 7: 115. [key, des.,  
Que.]
- Mesoleptus pulcherrimus* Provancher, Nat. Canad., 1875, 7: 272. [key]
- Phytodietus zonatus* Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 483)  
[key, des.]
- Phytodietus distinctus* Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 484).  
[key, des.]
- Phytodietus pulcherrimus* Provancher, Nat. Canad., 1880, 12: 81; (Faune, p.  
484). [key, des.]
- Mesostenus nobilis* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785).  
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]
- Mesoleius telarius* Provancher, Addit. Faune Canada, Hymén., 1886, p. 106.  
♀. [key, o.d., Bécancour, Que. (M.P.Q.)]
- Phytodietus nobilis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]
- Phytodietus zonatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]
- Meniscus pulcherrimus* Davis, Canad. Ent., 1894, 26: 321. [key]
- Ctenopelma pulchra* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♂.  
[o.d., Brookline, Mass. (U.S.N.M.)]
- Phytodietus pulchra* Davis, Trans. Amer. Ent. Soc., 1898, 24: 340. [syn.]
- Phytodietus zonatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]
- Phytodietus distinctus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p. 312.  
[key]
- Meniscus pulcherrimus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p.  
313. [key, Conn.]
- Phytodietus pulcherrimus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 462. ♂.  
[key, syn., Va.]
- Phytodietus distinctus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 463. [key,  
syn.]
- Phytodietus pulcherrimus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 10.  
♀. [des., D.C., ?Mont.]
- Phytodietus pulcherrimus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104.  
[Man.]
- Phytodietus distinctus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Phytodietus pulcherrimus* Balduf, Ohio Jour. Sci., 1929, 29: 233. [des., biol.,  
host b, Ohio]

*Phytodietus distinctus* Balduf, Ohio Jour. Sci., 1929, 29: 234. [des., biol., host *b*, Ohio]

*Phytodietus pulcherrimus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 366. [syn., des., host *a*, Ohio]

PYRAUSTIDAE: *a*, *Loxostege similalis*; *b*, *Phlyctaenia tertialis*.

***Phytodietus vulgaris* Cresson**

*Phytodietus vulgaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♂, ♀. [o.d., Del. (A.N.S.P.), Canada, Conn., Ill., Mass., Pa.]

*Phytodietus vulgaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 154. ♂, ♀. [des.]

*Phytodietus vulgaris* Provancher, Nat. Canad., 1880, 12: 80; (Faune, p. 484). [key, des.]

*Mesoleius annulatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 106. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

*Phytodietus vulgaris* Riley and Howard, Insect Life, 1891, 3: 464. [host *j*, Mo.]

*Phytodietus vulgaris* Fernald, Bull. Hatch Exp. Sta. Mass. State Col., 1891, 12: 9. [biol., host *i*, Mass.]

*Phytodietus vulgaris* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Phytodietus vulgaris* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Phytodietus vulgaris* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Phytodietus vulgaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, p. 572. [N.J., N.Y.]

*Phytodietus vulgaris* Nason, Ent. News., 1905, 16: 172. [Ill.]

*Phytodietus vulgaris* Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 286. [host *a*, N.Y.]

*Phytodietus vulgaris* Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host *f*, Me.]

*Phytodietus vulgaris* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [fig., host *a*, N.Y.]

*Phytodietus vulgaris* Weiss, Ent. News, 1915, 26: 105. [host *d*, N.J.]

*Phytodietus vulgaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 312. [key, Conn.]

*Phytodietus annulatus* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 466. ♂, ♀. [key, syn., des., fig., host *d j*, Canada, Mo., N.H., N.Y., Ohio, Pa.]

*Phytodietus vulgaris* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. ♂, ♀. [key, des., host *f*, D.C., Mich., N.J., Va.]

*Phytodietus vulgaris* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Phytodietus annulatus* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *e*, Va.]

*Phytodietus annulatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

*Phytodietus annulatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a h*, N.Y.]

*Phytodietus vulgaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a f*, N.Y.]

- Phytodietus vulgaris* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Phytodietus annulatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]  
*Phytodietus vulgaris* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]  
*Phytodietus annulatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]  
*Phytodietus annulatus* Gilliat, Canad. Ent., 1937, 69: 145. [host c, N.S.]  
*Phytodietus annulatus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 405. [host d k, Me.]  
*Phytodietus annulatus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14, 15. [host b g, Canada]

TORTRICIDAE: a, *Archips argyrospila*; b, *Argyrotaenia lutosana*; c *Argyrotaenia mariana*; d, *Argyrotaenia pinatubana*; e, *Argyrotaenia velutinana*; f, *Peronea minuta*; g, *Peronea varians*. OLETHREUTIDAE: h, *Ancylys comptana fragariae*; i, *Spilonota ocellana*. GEOMETRIDAE: j, geometrid on *Physalis viscosa*. Miscellaneous: k, leaf roller on *Populus* sp.

### NETELIA Gray

#### Subgenus **Paropheltes** Cameron

*Paropheltes* Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17: 1011.

Genotype: *Paropheltes flavolineatus* Cameron.

#### **Netelia (Paropheltes) alaskensis** (Ashmead)

- Paniscus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]  
*Paniscus alaskensis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 108. [key, des.]  
*Paniscus alaskensis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38. [key, des.] All but Alaska specimens misdetermined.  
*Paniscus alaskensis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]  
*Paniscus alaskensis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]  
*Netelia (Paropheltes) alaskensis* Townes, Lloydia, 1939, 1: 181. [key, des., fig., Alaska]

#### **Netelia (Paropheltes) albovariegata** (Provancher)

- Paniscus albovariegatus* Provancher, Nat. Canad., 1874, 6: 106. ♂. [key, o.d., Que. (M.P.Q.)]  
*Paniscus albovariegatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360). [key, des.]  
*Paniscus albovariegatus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Paniscus albovariegatus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Paniscus albovariegatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]  
*Paniscus albovariegatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, des.]

*Paniscus albovariegatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38.  
[key, des.]

*Netelia* (*Paropheltes*) *albovariegata* Townes, Lloydia, 1939, 1: 179. [key, des.,  
fig., Ill., N.Y., Ohio, Que., S.D.]

***Netelia* (*Paropheltes*) *barberi* (Cushman)**

*Paniscus pallens* var. *barberi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art.  
20: 40. ♂, ♀. [key, o.d., Cranmoor, Wis. (U.S.N.M.)]

*Paniscus pallens* var. *barberi* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.  
[Alta.]

*Paniscus pallens barberi* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Paropheltes*) *barberi* Townes, Lloydia, 1939, 1: 178. [key, des., fig.,  
B.C., D.C., N.S., N.Y., Sask., Wash.]

***Netelia* (*Paropheltes*) *ciliata* Townes**

*Netelia* (*Paropheltes*) *ciliata* Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,  
fig., San Diego, Calif. (Calif. Acad. Sci.)]

***Netelia* (*Paropheltes*) *macroglossa* Townes**

*Netelia* (*Paropheltes*) *macroglossa* Townes, Lloydia, 1939, 1: 179. ♂. [key,  
o.d., fig., Nev. (A.N.S.P.)]

***Netelia* (*Paropheltes*) *picta* Townes**

*Netelia* (*Paropheltes*) *picta* Townes, Lloydia, 1939, 1: 181. ♂. [key, o.d., fig.,  
Nev. (A.N.S.P.)]

***Netelia* (*Paropheltes*) *radiata* Townes**

*Netelia* (*Paropheltes*) *radiata* Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,  
fig., Lake Tahoe, Calif. (Calif. Acad. Sci.) Ariz., Kans.]

***Netelia* (*Paropheltes*) *rimata* Townes**

*Netelia* (*Paropheltes*) *rimata* Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,  
fig., Lake Tahoe, Calif. (U.S.N.M.), B.C.]

***Netelia* (*Paropheltes*) *serrata* Townes**

*Netelia* (*Paropheltes*) *serrata* Townes, Lloydia, 1939, 1: 180. ♂. [key, o.d.,  
fig., Poughkeepsie, N.Y. (Townes Coll.), Ia., Ont.]

***Netelia* (*Paropheltes*) *tarsata* (Brischke)**

*Paniscus tarsatus* Brischke, Schrift. Naturf. Ges. Danzig, 1880, 4, pt. 4: 138.  
♂, ♀. [o.d., biol., host, Prov. West- & Ostprussia (Europe) (location of  
type unknown)]

?*Parabates monticola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
949. [N.Y.] ?Misdetermined.

*Paniscus tarsatus* Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 413. [Me.]

*Netelia* (*Paropheltes*) *tarsata* Townes, Lloydia, 1939, 1: 178. [key, des., fig.,  
Europe, N.S., N.Y., Que., S.C.]

Subgenus **Parabates** Foerster

*Parabates* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 150.

Genotype: *Parabatus nigricarpus* Thomson.

**Netelia (Parabates) monticola** (Cushman)

*Ctenacme monticola* Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

*Parabates monticola* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 20. ♀.

[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] Records from Ont. and N.B. erroneous.

*Parabates monticola* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 48. [key, des.]

*Netelia (Parabates) monticola* Townes, Lloydia, 1939, 1: 182. ♂, ♀. [key, des., fig., B.C., N.H.]

Subgenus **Toxochilus** Townes

*Toxochilus* Townes, Lloydia, 1939, 1: 182.

Genotype: *Paniscus clypeatus* Cushman.

**Netelia (Toxochilus) caviverticalis** (Cushman)

*Paniscus caviverticalis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 29.

♀. [key, o.d., Platte Canyon, Colo. (U.S.N.M.)]

*Netelia (Toxochilus) caviverticalis* Townes, Lloydia, 1939, 1: 183. ♀. [key, des., Colo.]

**Netelia (Toxochilus) clypeata** (Cushman)

*Paniscus clypeatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 29.

♂, ♀. [key, o.d., Ill. (U.S.N.M.), Va.]

*Paniscus clypeatus* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia (Toxochilus) clypeata* Townes, Lloydia, 1939, 1: 184. [key, des., fig., Colo., D.C., Ill., Ia., Minn., N.M., S.D., Va.]

**Netelia (Toxochilus) glabra** Townes

*Netelia (Toxochilus) glabra* Townes, Lloydia, 1939, 1: 183. ♂, ♀. [key, o.d., fig., Morton Co., Kans. 3200 ft. (Univ. Kans.)]

**Netelia (Toxochilus) magniceps** Townes

*Netelia (Toxochilus) magniceps* Townes, Lloydia, 1939, 1: 184. ♂, ♀. [key, o.d., fig., Willard, Mo. (Cornell Univ.), Ariz., Colo., Kans.]

**Netelia (Toxochilus) mystace** Townes

*Netelia (Toxochilus) mystace* Townes, Lloydia, 1939, 1: 184. ♂. [key, o.d., fig., Baboquivari Mts., Ariz. (Calif. Acad. Sci.)]

**Netalia (Toxochilus) pulchra** (Cushman)

*Paniscus pulcher* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 25. ♂, ♀. [key, o.d., Roswell, N.M. (U.S.N.M.)]

*Netalia (Toxochilus) pulchra* Townes, Lloydia, 1939, 1: 185. [key, des., fig., N.M.]

**Netelia (Toxochilus) ultima** Townes

*Netelia (Toxochilus) ultima* Townes, Lloydia, 1939, 1: 183. ♂, ♀. [key, o.d., fig., Jemez Springs, N.M. (Cornell Univ.)]

Subgenus **Prosthodocis** Enderlein

*Prosthodocis* Enderlein, Stettin Ent. Ztg., 1912, 73: 107, 141.

Genotype: *Paniscus antefurcalis* Szépligeti.

**Netelia (Prosthodocis) exserta** (Cushman)

*Parabates exsertus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 47. ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.), Ala., D.C.]

*Netelia (Prosthodocis) exserta* Townes, Lloydia, 1939, 1: 187. ♂, ♀. [des., fig., Ala., Mo., N.Y., R.I.]

Subgenus **Netelia** Gray

*Netelia* Gray, Ann. Mag. Nat. Hist., 1860, (3), 5: 341.

Genotype: *Paniscus inquinatus* Gravenhorst.

*Bucheckerius* Schulz, Spolia Hymen., 1906, p. 280.

Genotype: *Bucheckerius perforatus* Schulz.

**Netelia (Netelia) acuminata** Townes

*Netelia (Netelia) acuminata* Townes, Lloydia, 1939, 1: 206. ♂, ♀. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Ala., Ariz., Calif., Ky., Md., Mass., Minn., Miss., N.C., R.I., Tex.]

*Paniscus acuminatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

**Netelia (Netelia) affinis** Townes

*Netelia (Netelia) affinis* Townes, Lloydia, 1939, 1: 206. ♂. [key, o.d., fig., Tieton, Wash. (U.S.N.M.) Nev.]

**Netelia (Netelia) appendiculata** (Provancher)

*Paniscus appendiculatus* Provancher, Nat. Canad., 1874, 6: 105. ♂. [key, o.d., Que. (type lost)]

*Paniscus geminatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360). [key, des., syn. (in part)]

*Paniscus appendiculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [unrecognized]

*Netelia appendiculata* Townes, Lloydia, 1939, 1: 222. [unrecognized]

**Netelia (Netelia) blantoni** Townes

*Netelia (Netelia) blantoni* Townes, Lloydia, 1939, 1: 214. ♂. [key, o.d., fig., Farmingdale, N.Y. (Townes Coll.), R.I.]

**Netelia (Netelia) brevicornis brevicornis** (Cushman)

*Paniscus brevicornis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 27. ♂, ♀. [key, o.d., Wellington, Kans. (U.S.N.M.), Ala., Colo., Conn., D.C., Ind., Kans., Mont., N.C., N.Y., Okla., Pa., S.D., Tex., Va.]

*Paniscus brevicornis* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia (Netelia) brevicornis brevicornis* Townes, Lloydia, 1939, 1: 201. [key, des., fig., Ala., Minn., Mont., N.S., Que., Tex.]

**Netelia (Netelia) brevicornis suturalis** Townes

*Netelia (Netelia) brevicornis suturalis* Townes, Lloydia, 1939, 1: 201. ♂, ♀. [key, o.d., fig., Kimama, Ida. (U.S.N.M.), Alta., B.C., Mont., Ore., Ut.]

**Netelia (Netelia) brevicornis temporalis** (Cushman)

*Paniscus temporalis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 30. ♀. [key, o.d., Los Angeles Co., Calif. (U.S.N.M.)]

*Netelia (Netelia) brevicornis temporalis* Townes, Lloydia, 1939, 1: 201. [key, des., fig., Calif.]

**Netelia (Netelia) brunnea** Townes

*Netelia (Netelia) brunnea* Townes, Lloydia, 1939, 1: 209. ♂. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Md., Va.]

**Netelia (Netelia) californica** (Cushman)

*Paniscus californicus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. ♀. [key, o.d., Berkeley, Calif. (U.S.N.M.)]

*Netelia (Netelia) californica* Townes, Lloydia, 1939, 1: 204. [key, des., fig., B.C., Calif.]

**Netelia (Netelia) calva** Townes

*Netelia (Netelia) calva* Townes, Lloydia, 1939, 1: 210. ♂. [key, o.d., fig., Maywood, Alexandria Co., Va. (U.S.N.M.)]

**Netelia (Netelia) cascadica** Townes

*Netelia (Netelia) cascadica* Townes, Lloydia, 1939, 1: 205. ♂. [key, o.d., fig., Mt. Hood, Ore. (A.N.S.P.)]

**Netelia (Netelia) caudata** Townes

*Netelia (Netelia) caudata* Townes, Lloydia, 1939, 1: 216, ♂. [key, o.d., fig., Va. (A.N.S.P.), Ill., Okla.]

**Netelia (Netelia) chloris** (Olivier)

*Ophion chloris* Olivier, Encycl. Méthod. Insect., 1811, 8: 509. ♀. [o.d., North America (type lost)]

*Paniscus chloris* Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. [des.]

*Ophion chloris* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 106. [syn.]

*Netelia chloris* Townes, Lloydia, 1939, 1: 222. [syn., unrecognized]

**Netelia (Netelia) cockerelli** (Cushman)

*Paniscus cockerelli* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 35. ♀.  
[key, o.d., Santa Fe, N.M. (U.S.N.M.), Ariz., Ut.]

*Netelia (Netelia) cockerelli* Townes, Lloydia, 1939, 1: 200. [key, des., fig.,  
Ariz., Calif., N.M., Ut.]

**Netelia (Netelia) cushmani** Townes

*Netelia (Netelia) cushmani* Townes, Lloydia, 1939, 1: 206. ♂. [key, o.d.,  
fig., Merritt, B.C. (Univ. Kans.)]

**Netelia (Netelia) delicata** Townes

*Netelia (Netelia) delicata* Townes, Lloydia, 1939, 1: 212. ♂, ♀. [key, o.d.,  
fig., Westerly, R.I. (Townes Coll.), Ala., Kans., Minn., Que.]

**Netelia (Netelia) densa** Townes

*Netelia (Netelia) densa* Townes, Lloydia, 1939, 1: 204. ♂. [key, o.d., fig.,  
Cloudcroft, N.M. (A.N.S.P.), Ariz.]

**Netelia (Netelia) emorsa** Townes

*Netelia (Netelia) emorsa* Townes, Lloydia, 1939, 1: 197. ♂, ♀. [key, o.d.,  
fig., Bermuda Is. (U.S.N.M.), Fla., West Indies]

**Netelia (Netelia) falcata** Townes

*Netelia (Netelia) falcata* Townes, Lloydia, 1939, 1: 210. ♂, ♀. [key, o.d.,  
fig., Ithaca, N.Y. (Cornell Univ.), Vt.]

**Netelia (Netelia) geminatus** (Say)

*Ophion geminatus* Say, Contrib. Maclurean Lyceum Arts Sci. Phila., 1829, 1:  
76; (Leconte Ed. 1: 379). [o.d., Ind. (type destroyed)]

*Paniscus geminatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. [des., Calif.,  
Canada, Del., Ill., Md., New England, N.J., N.Y., Pa., Va.]

*Ophion geminatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.  
[Mass.]

*Paniscus geminatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

*Paniscus geminatus* Riley, Ann. Rpt. Insects Mo., 1869, 1: 89. [biol., host e]

*Paniscus geminatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. [des., Tex.]

*Paniscus geminatus* Provancher, Nat. Canad., 1874, 6: 105. [key]

*Paniscus geminatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune, p. 360).  
[key, syn., des., fig. (in part)]

*Paniscus geminatus* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Paniscus geminatus* Smith, Rpt. N.J. Geologist, 1890, 2: 26. [N.J.]

*Paniscus texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♀. [o.d.,  
Tex. (U.S.N.M.)]

*Paniscus geminatus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Paniscus geminatus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Paniscus geminatus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Paniscus geminatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.  
[N.J., N.Y.]



- Paniscus texanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.J.]
- Paniscus geminatus* Howard, The Insect Book, 1902, plate 10, fig. 23.
- Paniscus geminatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289, 304. [des., Colo., Kans.]
- Paniscus geminatus* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Paniscus geminatus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Paniscus geminatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]
- Ophion geminatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Paniscus geminatus* Whitmarsh, Ann. Ent. Soc. Amer., 1910, 3: 198, 204-208. [des., morphology]
- Paniscus geminatus* Webster, Jour. Econ. Ent., 1911, 4: 181. [host *f*, Ia.]
- Paniscus geminatus* Webster, Bull. Ia. Agr. Exp. Sta., 1911, 122: 346. [host *f*, Ia.]
- Paniscus geminatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 163. [syn., United States]
- Paniscus geminatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 104. [key, des., Calif., Colo., Mexico, N.Y.]
- Paniscus texanus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 111. [key, des., Me., Mexico]
- Paniscus geminatus* Cushman, Proc. Ent. Soc. Wash., 1913, 15: 155-157. [biol., fig.]
- Paniscus geminatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 76, 86. [fig., host *c*, Ont.]
- Paniscus geminatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, p. 280. [des., fig., Conn.]
- Paniscus geminatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Paniscus geminatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 41. [key, des., N.H., S.D., Fla., Tex.]
- Paniscus texanus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [key, des.]
- Paniscus geminatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Paniscus geminatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]
- Paniscus geminatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 65. [host *d*, Kans.]
- Paniscus geminatus* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *b*]
- Paniscus geminatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Paniscus geminatus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Paniscus geminatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *a*, N.H.]
- Paniscus geminatus* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
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*Netelia* (*Netelia*) *geminata* Townes, Lloydia, 1939, 1: 214. [key, syn., des., fig., Mass., Mont., N.C., N.Y., Que., Tex.]

PHALAEINIDAE: a, *Alypia octomaculata*; b, *Amathes badinodis*; c, *Cirphis unipuncta*; d, *Laphygma frugiperda*; e, *Prodenia dolichos*; f, *Protoleucania albilinea*.

***Netelia* (*Netelia*) *heroica* Townes**

*Netelia* (*Netelia*) *heroica* Townes, Lloydia, 1939, 1: 213. ♂. [key, o.d., fig., Ithaca, N.Y. (Townes Coll.), Ariz., Colo., Mexico, Mich., Minn.]

***Netelia* (*Netelia*) *idioctenus* Townes**

*Netelia* (*Netelia*) *idioctenus* Townes, Lloydia, 1939, 1: 198. ♀. [key, o.d., fig., Falls Church, Va. (Cornell Univ.), Ala., N.Y., S.C.]

***Netelia* (*Netelia*) *inepta* Townes**

*Netelia* (*Netelia*) *inepta* Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Ga. (A.N.S.P.), N.C.]

*Paniscus ineptus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Netelia*) *ingrata* Townes**

*Netelia* (*Netelia*) *ingrata* Townes, Lloydia, 1939, 1: 216. ♂. [key, o.d., fig., Chiricahua Mts., Ariz., 4000–6000 ft. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *lativectis* Townes**

*Netelia* (*Netelia*) *lativectis* Townes, Lloydia, 1939, 1: 212. ♂. [key, o.d., fig., Rio Ruidoso, White Mts., N.M., about 6500 ft. (U.S.N.M.)]

***Netelia* (*Netelia*) *leo arizonensis* (Cushman)**

*Paniscus arizonensis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 37. ♀. [key, o.d., Chiricahua Mts., Ariz. (U.S.N.M.)]

*Netelia* (*Netelia*) *leo arizonensis* Townes, Lloydia, 1939, 1: 195. [key, des., fig., Ariz., Calif., Mexico, N.M.]

***Netelia* (*Netelia*) *leo leo* (Cushman)**

*Paniscus leo* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 38. ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.), Md.]

*Paniscus leo* Bradley, Bull. Lloyd. Libr., 1926, 27: 170. [N.Y.]

*Paniscus leo* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Paniscus leo* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Netelia*) *leo leo* Townes, Lloydia, 1939, 1: 195. [key, des., fig., Ga., Ill., Ia., Mass., N.C., Tex.]

***Netelia* (*Netelia*) *ligata* Townes**

*Netelia* (*Netelia*) *ligata* Townes, Lloydia, 1939, 1: 205. ♂. [key, o.d., fig., Deer Park, Chiricahua Mts., Ariz., 9000–9800 ft. (Calif. Acad. Sci.)]

**Netelia (Netelia) lucens** Townes

*Netelia (Netelia) lucens* Townes, Lloydia, 1939, 1: 205. ♂, ♀. [key, o.d., fig., Colo. (A.N.S.P.)]

**Netelia (Netelia) macra** Townes

*Netelia (Netelia) macra* Townes, Lloydia, 1939, 1: 196. ♂. [key, o.d., fig., West Indies (U.S.N.M.), Argentina, Ariz., Ill., Md., Peru, Va.]

**Netelia (Netelia) microdon** Townes

*Netelia (Netelia) microdon* Townes, Lloydia, 1939, 1: 211. ♂, ♀. [key, o.d., fig., Greenville, S.C. (Townes Coll.), Ala., Fla., Ga., La., Md., Miss., Tex., Va.]

**Netelia (Netelia) microtylus** Townes

*Netelia (Netelia) microtylus* Townes Lloydia, 1939, 1: 210. ♂, ♀. [key, o.d., fig., Carr Canyon, Huachuca Mts., Ariz. (A.N.S.P.)]

**Netelia (Netelia) mustela** Townes

*Netelia (Netelia) mustela* Townes, Lloydia, 1939, 1: 194. ♂, ♀. [key, o.d., fig., Ramsey Canyon, Huachuca Mts., Ariz. (Cornell Univ.)]

**Netelia (Netelia) nigripectus** (Ashmead)

*Paniscus nigripectus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♀. [o.d., Tex. (U.S.N.M.)]

*Paniscus melanostigma* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 111. [syn. (in part)]

*Paniscus nigripectus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. [key, des.]

*Netelia (Netelia) nigripectus* Townes, Lloydia, 1939, 1: 202. [key, des.]

**Netelia (Netelia) nitida** Townes

*Netelia (Netelia) nitida* Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Niagara Falls, N.Y. (A.N.S.P.)]

**Netelia (Netelia) obrepta** Townes

*Netelia (Netelia) obrepta* Townes, Lloydia, 1939, 1: 215. ♂. [key, o.d., fig., Hazelton, Pa. (U.S.N.M.)]

**Netelia (Netelia) ocellata** (Viereck)

*Paniscus ocellatus* Viereck, Proc. Ent. Soc. Wash., 1909, 11: 211. ♂, ♀. [o.d., Wellington, Kans. (U.S.N.M.)]

*Paniscus immaculatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. ♀. [key, o.d., United States (British Mus.)]

*Paniscus immaculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 27. [key, des.]

*Paniscus ocellatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. [key, des., Ala., Alta., Ariz., Colo., D.C., Ind., Kans., S.D., Tex.]

*Paniscus ocellatus* var. *microocellatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 36. ♂, ♀. [key, o.d., Tex. (U.S.N.M.)]

*Paniscus ocellatus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.]

*Paniscus ocellatus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

*Paniscus ocellatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Sask.]

*Netelia* (*Netelia*) *ocellata* Townes, Lloydia, 1939, 1: 196. [key, syn., des., fig., host a, ?Ariz., Bermuda Is., Fla., ?Ga., ?La., ?Md., ?N.M., Ore., Peru, Sask., Tex.]

PHALAENIDAE: a, *Agrotis orthogonia*.

***Netelia* (*Netelia*) *orba* Townes**

*Netelia* (*Netelia*) *orba* Townes, Lloydia, 1939, 1: 193. ♂. [key, o.d., fig., D.C. (U.S.N.M.)]

***Netelia* (*Netelia*) *ovalis* Townes**

*Netelia* (*Netelia*) *ovalis* Townes, Lloydia, 1939, 1: 212. ♂. [key, o.d., fig., Canadarago Lake, N.Y. (Townes Coll.), D.C., Kans., R.I., Wis.]

***Netelia* (*Netelia*) *pallens pallens* (Cushman)**

*Paniscus pallens* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 39. ♂, ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.), Ala., Colo., D.C., Ga., N.M., Tex.]

*Peniscus* (!) *pallens* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]

*Paniscus pallens* Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 4, figs. 20, 21. [biol.]

*Paniscus pallens* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host a, N.J.]

*Paniscus pallens* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Netelia*) *pallens pallens* Townes, Lloydia, 1939, 1: 208. [key, des., fig., Ga., N.Y.]

PHALAENIDAE: a, *Melipotis jucunda*.

***Netelia* (*Netelia*) *pallens occidentalis* Townes**

*Netelia* (*Netelia*) *pallens occidentalis* Townes, Lloydia, 1939, 1: 208. ♂, ♀. [key, o.d., fig., Baboquivari Mts., Ariz. (Calif. Acad. Sci.), B.C., ?Ga., Kans., Nev., N.M., Tex.]

***Netelia* (*Netelia*) *palpalis* Townes**

*Netelia* (*Netelia*) *palpalis* Townes, Lloydia, 1939, 1: 203. ♂. [key, o.d., fig., Ithaca, N.Y. (Cornell Univ.), Me., Mass., N.C.]

*Paniscus palpalis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Netelia*) *pardalis* (Cushman)**

*Paniscus pardalis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 31. ♀. [key, o.d., Ritzville, Wash. (U.S.N.M.)]

*Paniscus neomexicanus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 33. ♀. [o.d., Bernalillo Co., N.M. (U.S.N.M.)]

*Paniscus pardalis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

*Netelia* (*Netelia*) *pardalis* Townes, Lloydia, 1939, 1: 199. [key, syn., des., fig., B.C., Calif., N.M., Wyo.]

*Paniscus pardalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Netelia* (*Netelia*) *percurrens* Townes**

*Netelia* (*Netelia*) *percurrens* Townes, Lloydia, 1939, 1: 207. ♂. [key, o.d., fig., Colo. (A.N.S.P.)]

***Netelia* (*Netelia*) *platypes* (Cushman)**

*Paniscus platypes* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 6. ♀. [o.d., Cabin John, Md. (U.S.N.M.)]

*Netelia* (*Netelia*) *platypes* Townes, Lloydia, 1939, 1: 203. [key, des., fig., host *a*, Ala., Mass., Wis.]

PHALAENIDAE: *a*, *Acronicta radcliffei*.

***Netelia* (*Netelia*) *pluridens* Townes**

*Netelia* (*Netelia*) *pluridens* Townes, Lloydia, 1939, 1: 202. ♂. [key, o.d., fig., W. Yellowstone, Wyo. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *punctata* Townes**

*Netelia* (*Netelia*) *punctata* Townes, Lloydia, 1939, 1: 208. ♂, ♀. [key, o.d., fig., Oneonta, N.Y. (Townes Coll.), Conn., Ga., Md., Mich., Ont., Pa., Tex., Va.]

***Netelia* (*Netelia*) *recta* Townes**

*Netelia* (*Netelia*) *recta* Townes, Lloydia, 1939, 1: 193. ♂, ♀. [key, o.d., fig., Ramsey Canyon, Huachuca Mts., Ariz. (Cornell Univ.)]

***Netelia* (*Netelia*) *rectifascia* Townes**

*Netelia* (*Netelia*) *rectifascia* Townes, Lloydia, 1939, 1: 216. ♂. [key, o.d., fig., Patagonia, Ariz. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *reflexa*, Townes**

*Netelia* (*Netelia*) *reflexa* Townes, Lloydia, 1939, 1: 198. ♂. [key, o.d., fig., Devers, Tex. (Cornell Univ.)]

***Netelia* (*Netelia*) *sayi* (Cushman)**

*Paniscus geminatus* var. *sayi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 41. ♂, ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

*Paniscus geminatus* var. *sayi* Vance, Ann. Ent. Soc. Amer., 1927, 20: 405-415. [biol., fig., host *c*, Va.]

*Paniscus geminatus* var. *sayi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Paniscus geminatus sayi* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

*Paniscus geminatus sayi* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *b d*, Mass., N.J.]

*Paniscus sayi* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

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*Netelia* (*Netelia*) *sayi* Townes, Lloydia, 1939, 1: 213. [key, des., fig., host *a c*, Mass., Mexico, N.C., Que., Pa., S.D., Tex.]

PHALAENIDAE: a, *Amathes badinodis*; b, *Graptolitha antennata*; c, *Heliothis armigera*; d, *Pyreferra hesperidago*.

***Netelia* (*Netelia*) *spinipes* (Cushman)**

*Paniscus spinipes* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 32. ♂, ♀. [key, o.d., Washington, D.C. (U.S.N.M.), Conn., D.C., Kans., N.C., Tex., Va.]

*Paniscus spinipes* Vance, Ann. Ent. Soc. Amer., 1927, 20: 405-417. [biol., fig., host *a*, Va.]

*Paniscus spinipes* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Netelia*) *spinipes* Townes, Lloydia, 1939, 1: 199. [key, des., fig., host *a*, United States east of Rocky Mts., Mexico., Ore.]

PHALAENIDAE: a, *Heliothis armigera*.

***Netelia* (*Netelia*) *stigmata* Townes**

*Netelia* (*Netelia*) *stigmata* Townes, Lloydia, 1939, 1: 202. ♂, ♀. [key, o.d., fig., Lakehurst, N.J., (U.S.N.M.)]

***Netelia* (*Netelia*) *strigilobus* Townes**

*Paniscus semirufus*? Hicks, Pan-Pacific Ent., 1933, 9: 49-52. [biol., host *a*, Calif.] Misdetermined.

*Netelia* (*Netelia*) *strigilobus* Townes, Lloydia, 1939, 1: 207. ♂, ♀. [key, o.d., fig., Los Angeles, Calif. (U.S.N.M.)]

PHALAENIDAE: a, *Zale lunata*.

***Netelia* (*Netelia*) *subfuscus* (Cresson) \***

*Paniscus subfuscus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 57. ♀. [o.d., Cuba (A.N.S.P.)]

*Paniscus subfuscus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, West Indies, Mexico, N.S.]

*Paniscus subfuscus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 35. [key, des., Fla.]

*Netelia subfusca* Townes, Lloydia, 1939, 1: 222. [not recognized as Nearctic]

***Netelia* (*Netelia*) *townesi* (Uchida) new combination**

*Netelia* (*Netelia*) *unicolor* Townes, Lloydia, 1939, 1: 202. ♂. [key, o.d., fig., Mt. St. Helena, Napa Co., Calif. (Calif. Acad. Sci.) Nev.] Preoccupied in *Netelia* by Smith, 1874

*Paniscus townesi* Uchida, Insecta Matsumurana, 1939, 14: 45. [new name for *Netelia unicolor* Townes]

***Netelia* (*Netelia*) *townsendi* (Cushman)**

*Paniscus townsendi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 40. ♀. [key, o.d., south fork of Eagle Cr., White Mts., N.M. (U.S.N.M.)]

\* Occurrence in the Nearctic Region needs confirmation.

*Netelia* (*Netelia*) *townsendi* Townes, Lloydia, 1939, 1: 211. [key, des., fig., N.M.]

***Netelia* (*Netelia*) *trituberculatus* (Cushman)**

*Paniscus trituberculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 26. ♀. [key, o.d., Santa Rita Mts., Ariz. (U.S.N.M.), Calif.]

*Netelia* (*Netelia*) *trituberculata* Townes, Lloydia, 1939, 1: 194. [key, des., Ariz., Calif.]

***Netelia* (*Netelia*) *turbans* Townes**

*Netelia* (*Netelia*) *turbans* Townes, Lloydia, 1939, 1: 209. ♂. [key, o.d., fig., Huachuca Mts., Ariz. (U.S.N.M.), Colo.]

***Netelia* (*Netelia*) *umbone* Townes**

*Netelia* (*Netelia*) *umbone* Townes, Lloydia, 1939, 1: 207. ♂. [key, o.d., fig., Carmel; Calif. (Calif. Acad. Sci.)]

***Netelia* (*Netelia*) *unguicularis* (Cushman)**

*Paniscus unguicularis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 33. ♂, ♀. [key, o.d., Plummer's Is., Md. (U.S.N.M.), Ala., D.C., Ind., N.Y., N.C., Pa., Va.]

*Paniscus unguicularis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Paniscus unguicularis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host a, Pa.]

*Paniscus unguicularis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

*Paniscus unguicularis* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Netelia*) *unguicularis* Townes, Lloydia, 1939, 1: 193. [key, des., fig., Ala., D.C., Ill., N.Y., R.I.]

ARCTIIDAE: a, *Halisidota tessellaris*.

Subgenus ***Parabatus*** Thomson

*Parabatus* Thomson, Opusc. Ent., 1888, 12: 1194.

Genotype: *Ichneumon virgatus* Fourcroy.

***Netelia* (*Parabatus*) *deceptor* (Morley)**

*Parabatus deceptor* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 129. ♂. [key, o.d., N.S. (British Mus.)]

*Parabates deceptor* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 45. [key, des.]

*Parabates cristatoides* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 46. ♂, ♀. [key, o.d., Kaslo, B.C. (U.S.N.M.), Alaska, Wash.]

?*Parabates crassus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 47. ♀. [key, o.d., Oswego, N.Y. (U.S.N.M.)]

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*Parabates cristatoides* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 143. [biol., host *b*, Me.]

?*Parabates crassus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413. [Me.]

*Netelia* (*Parabatus*) *deceptor* Townes, Lloydia, 1939, 1: 220. [key, des., fig., host *a b*, Alaska, Alta., B.C., Calif., Me., Minn., Mont., N.H., N.M., N.S., N.Y., Ohio, Ont.]

NOTODONTIDAE: *a*, *Schizura concinna*. PHALAENIDAE: *b*, *Polia legitima*.

***Netelia* (*Parabatus*) *latungula* Thomson**

*Parabatus latungula* Thomson, Opusc. Ent., 1888, 12: 1196. ♂, ♀. [o.d., Sweden (?Lund Mus.)]

*Paniscus* (*Parabatus*) *latungula deceptor* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 105. [des., N.Y.] Misdetermined.

*Netelia* (*Parabatus*) *latungula* Townes, Lloydia, 1939, 1: 219. [key, des., fig., D.C., Germany, Ill., Japan, Mass., N.Y., Ont., Que., Sweden, ?Wash.]

***Netelia* (*Parabatus*) *longipalpus* Townes**

*Parabates smithi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 45. ♀. [key, o.d., Coleta, Ala. (U.S.N.M.), D.C., Md., N.C., Pa., Va.] Preoccupied in *Netelia* by Dalla Torre, 1901.

*Parabates smithi* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Paniscus smithi* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Parabates smithi* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

*Parabates smithi* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *a*, Mass.]

*Parabates smithi* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Netelia* (*Parabatus*) *longipalpus* Townes, Lloydia, 1939, 1: 218. ♂, ♀. [key, des., fig., Ala., Ill., Que., Pa., new name for *Parabates smithi* Cushman]

PHALAENIDAE: *a*, *Paralellia bistriaris*.

***Netelia* (*Parabatus*) *rogersi* Townes**

*Netelia* (*Parabatus*) *rogersi* Townes, Lloydia, 1939, 1: 219. ♂, ♀. [key, o.d., fig., Macon Co., N.C. (Townes Coll.), Md., Va.]

*Paniscus rogersi* Brimley, Suppl. Insects of N.C., 1942, p. 31. [syn.]

***Netelia* (*Parabatus*) *sinus* Townes**

*Netelia* (*Parabatus*) *sinus* Townes, Lloydia, 1939, 1: 220. ♂. [key, o.d., fig., Rosslyn, Va., (U.S.N.M.), Guatemala, Ill.]

***Netelia* (*Parabatus*) *uncata* Townes**

*Netelia* (*Parabatus*) *uncata* Townes, Lloydia, 1939, 1: 218. ♂, ♀. [key, o.d., fig., Camp Greenville, River Falls, Greenville Co., S.C., 3000 ft. (Townes Coll.), D.C.]



## Subfamily 2. TRYPHONINAE

## Tribe 3. BOËTHINI

**BOËTHUS** Foerster

*Boëthus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: (*Boëthus howardi* Davis) = *schizoceri* Riley & Howard.

*Diplomorphus* Giraud, Ann. Ent. Soc. France, 1872, 1: 409.

Genotype: *Diplomorphus thoracicus* Giraud.

*Aethalodes* Kriechbaumer, Mitt. Schweiz. Ent. Ges., 1890, 8: 207. Preoccupied by Gahan, 1888.

Genotype: *Aethalodes mesomelas* Kriechbaumer.

**Boëthus alaingens** Davis

*Boëthus alaingens* Davis, Trans. Amer. Ent. Soc. 1898, 24: 291, ♀. [key, o.d., San Bernadino Co., Calif. (A.N.S.P.)]

*Boëthus alaingens* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

**Boëthus glabranotus** Davis

*Boëthus glabranotus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♀. [key, o.d., Mont. (A.N.S.P.)]

*Boëthus glabranotus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

**Boëthus nigripennis** Cushman

*Boëthus nigripennis* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 12. ♂, ♀. [key, o.d., host *a*, Ammons, Breckinridge Co., Ky. (U.S.N.M.)]

ARGIDAE: *a*, *Arge salicis*.

**Boëthus schizoceri** (Riley and Howard)

*Eubadizon schizoceri* Riley and Howard, Insect Life, 1888, 1: 44. [o.d. as a fig., host *a*, Ocean Springs, Miss. (U.S.N.M.)]

*Mesoleius schizoceri* Riley and Howard, Insect Life, 1891, 3: 461. [syn.]

*Boëthus howardi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂, ♀. [key, o.d., host *a*, Ocean Springs, Miss. (A.N.S.P.)]

*Boëthus schizoceri* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.]

*Boëthus aenigmaticus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 314. ♂. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kansas)] New synonymy.

*Boëthus daeckei* Viereck, Proc. Ent. Soc. Wash., 1909, 11: 210. ♂. [o.d., Essington, Pa. (U.S.N.M.)]

*Boëthus schizoceri* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 162. [syn., des.]

*Boëthus schizoceri* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

*Boëthus aenigmaticus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 13. [key]

ARGIDAE: *a*, *Sterictiphora ebenus*

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## Subfamily 2. TRYPHONINAE

## Tribe 4. ADELOGNATHINI

**ADELOGNATHUS** Holmgren

*Adelognathus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 196.

Genotype: *Adelognathus brevicornis* Holmgren.

*Synaema* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Adelognathus brevicornis* Holmgren.

**Adelognathus americanus** Cushman

*Trachyporthus americanus* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

*Adelognathus americanus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 2. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Adelognathus flavopictus** Davis

*Adelognathus flavopictus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♂, ♀. [o.d., Ill. (A.N.S.P.), Mich.]

*Adelognathus flavopictus* Nason, Ent. News, 1905, 16: 169. [Ill.]

**Adelognathus pallipes** (Gravenhorst)

*Plectiscus pallipes* Gravenhorst, Ichneum. Europeae, 1829, 2: 981. ♀. [o.d., Finland (?Breslau Mus.)]

*Adelognathus pallipes* Thomson, Opusc. Ent., 1883, 9: 878. ♂, ♀. [des., syn., Sweden]

*Catalytus pallipes* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 419. ♂, ♀. [o.d., host *a*, biol., near Aqueduct Bridge, Georgetown, D.C. (U.S.N.M.)] Preoccupied in *Adelognathus* by Gravenhorst, 1829. New synonymy.

*Hemiteles pallidipes* Dalla Torre, Cat. Hymen., 1902, 3: 660. [emendation of *Catalytus pallipes* Ashmead]

*Pammacra pallipes* Slosson, Ent. News, 1902, 13: 5. [N.H.]

*Adelognathus persimilis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 3. [des., new name for *Catalytus pallipes* Ashmead]

*Adelognathus persimilis* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

Miscellaneous: *a*, sawfly larva.

**CNEMISCHYS** Foerster \*

*Cnemischys* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: *Adelognathus* (*Cnemischus*) *pilosus* Thomson. One of three species included by Schmiedeknecht, 1911, by present designation

*Cnemischus* Thomson, Opusc. Ent., 1888, 12: 1277.

Genotype: *Adelognathus* (*Cnemischus*) *pilosus* Thomson. By present designation.

\* An undescribed Nearctic species of this genus is in the Townes Collection.

**PAMMICRA** Foerster

*Pammicra* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

New synonymy.

Genotype: *Hemiteles dorsalis* Gravenhorst.

*Pammicrus* Thomson, Opusc. Ent., 1883, 9: 880.

Genotype: *Hemiteles dorsalis* Gravenhorst.

**Pammicra dorsalis** (Gravenhorst)

*Hemiteles dorsalis* Gravenhorst, Ichneum. Europeae, 1829, 2: 838. ♂, ♀.  
[o.d., Warmbrum, Germany (?Breslau Mus.)]

*Hemiteles tener* Provancher, Nat. Canad., 1874, 6: 333. ♂. [key, o.d., Que.  
(M.P.Q.)] New synonymy.

*Hemiteles tener* Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326).  
[key, des.]

*Hemiteles tener* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

*Notomeris glabrosus* Slosson, Ent. News, 1896, 7: 264. [N.H.] *Nomen nudum*.

*Notomeris glabrosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♀. [o.d.,  
N.H. (A.N.S.P.)] New synonymy.

*Pammicra dorsalis* Dalla Torre, Cat. Hymen., 1901, 3: 312. [syn.]

*Adelognathus deganti* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 14.

♀. [o.d., Puritas Spring, Ohio (U.S.N.M.)] New synonymy.

*Adelognathus dorsalis* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

## Subfamily 2. TRYPHONINAE

## Tribe 5. IDIOGRAMMATINI

**IDIOGRAMMA** Foerster

*Idiogramma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 163.

Genotype: *Idiogramma euryops* Foerster.

*Macrochasmus* Thomson, Opusc. Ent., 1888, 12: 1279.

Genotype: (*Macrochasmus alysiina* Thomson) = *euryops* Foerster.

*Lysiognatha* Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 276.

Genotype: *Lysiognatha comstockii* Ashmead.

**Idiogramma bridwelli** (Cushman) new combination

*Lysiognatha bridwelli* Cushman, Jour. Wash. Acad. Sci., 1937, 27: 444. ♂, ♀.

[key, o.d., host *a*, Alexandria, Va. (U.S.N.M.)]

Xyelidae: *a*, *Xyela* sp.

**Idiogramma comstockii** (Ashmead)

*Lysiognatha comstockii* Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 276. ♀.  
[o.d., Nortons Landing, Cayuga Lake, N.Y. (U.S.N.M.)]

*Lysiognatha comstockii* Cushman, Jour. Wash. Acad. Sci., 1937, 27: 442. [key, des.]

*Idiogramma comstockii* Cushman, Proc. Ent. Soc. Wash., 1942, 44: 54. [syn.]

**Idiogramma longicauda** (Cushman) new combination

*Lysiognatha longicauda* Cushman, Jour. Wash. Acad. Sci., 1937, 27: 441, 443.  
[key, o.d., fig., host *a*, Alexandria, Va. (U.S.N.M.)]

XYELIDAE: *a*, *Xyela* sp.

**Idiogramma sulcata** (Cushman) new combination

*Lysiognatha sulcata* Cushman, Jour. Wash. Acad. Sci., 1937, 27: 442. ♂, ♀.  
[key, o.d., Clifton, Va. (U.S.N.M.)]

## Subfamily 2. TRYPHONINAE

## Tribe 6. TRYPHONINI

**GRYPOCENTRUS** Ruthe

*Grypocentrus* Ruthe, Stettin Ent. Ztg., 1855, 16: 52.

Genotype: *Grypocentrus incisulus* Ruthe.

*Apimeles* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205.

New synonymy.

Genotype: (*Apimeles lusorius* Davis) = *flavipes* Provancher.

*Cyrtocentrus* Provancher, Nat. Canad., 1883, 14: 6. New synonymy.

Genotype: (*Cyrtocentrus quebecensis* Provancher) = *flavipes* Provancher.

**Grypocentrus flavipes** (Provancher) new combination

*Mesostenus flavipes* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785).

♂. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Cyrtocentrus Quebecensis* Provancher, Nat. Canad., 1883, 14: 6; (Faune, p. 794).

♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Tryphon quebecensis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Phygadeuon flavipes* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

*Apimeles lusorius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♀. [o.d., eastern Canada (A.N.S.P.)] New synonymy.

*Tryphon quebecensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Cyrtocentrus quebecensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**POLYBLASTUS** Hartig

*Polyblastus* Hartig, Wieg. Archiv Naturg., 1837, 3: 155.

Genotype: (*Tryphon varitarsus* Gravenhorst) = *strobilator* Thunberg.

**Polyblastus carbonarius** (Gravenhorst) \*

*Tryphon carbonarius* Gravenhorst, Ichneum. Europ., 1829, 2: 141. ♂. [o.d., Austria (?Breslau Mus.)]

*Polyblastus carbonarius* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 212. ♂, ♀. [des., Sweden, Lapland]

**Polyblastus fulvilinealis** Hall

*Polyblastus fulvilinealis* Hall, Psyche, 1919, 26: 155. ♂, ♀. [o.d., Riverside, Mass. and Auburndale, Mass. (Brues Coll.)]

*Polyblastus fulvilinealis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Polyblastus fulvilinealis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Polyblastus pedalis** (Cresson)

*Tryphon pedalis* Cresson, Proc. Ent. Soc. Philadelphia, 1864, 3: 273. ♂. [o.d., Ill. (A.N.S.P.)]

*Bassus Bouleti* Provancher, Nat. Canad., 1874, 6: 32. ♀. [key, o.d., Que. (M.P.Q.)]

*Tryphon Bouleti* Provancher, Nat. Canad., 1875, 7: 143. [syn.]

*Tryphon pedalis* Provancher, Nat. Canad., 1875, 7: 310, 311. [key, syn.]

*Errormenus pedalis* Provancher, Nat. Canad., 1879, 11: 265; (Faune, p. 423). [key, syn., des.]

*Errormenus pedalis* Provancher, Nat. Canad., 1887, 16: 34. [Que.]

*Polyblastus pedalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂, ♀. [key, des., Calif., Canada, Colo., Ill., Mich., Nev., N.H., Ore., Wash.]

*Polyblastus pedalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.Y.]

*Polyblastus pedalis* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Polyblastus pedalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297. [key, Conn.]

*Polyblastus edalis* (!) Washburn, Ann. Rpt. St. Ent. Minn., 1918, 17: 173. [Minn.]

*Polyblastus pedalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Polyblastus pedalis* Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 947. [N.Y.]

*Polyblastus pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Polyblastus pedalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 412. [host a]

*Polyblastus pedalis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

TENTHREDINIDAE: a, *Croesus latitarsis*.

\* A female of this species from Edmonton, Alta. collected June 15, 1937 by F. O. Morrison is in the Townes Collection.

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**Polyblastus strobilator** (Thunberg)

*Ichneumon strobilator* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 270.  
[o.d., no locality given (Upsala Mus.)]

*Tryphon varitarsus* Gravenhorst, Ichneum. Europ., 1829, 1: 688, 2: 222. ♂, ♀.  
[o.d., central Europe (?Breslau mus), England]

*Polyblastus varitarsus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂, ♀.  
[key, des., Colo., Mont., Nev.]

*Erromenus annulipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♀.  
[o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Polyblastus varitarsus* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Polyblastus strobilator* Roman, Zool. Bidrag från Upsala, 1912, 1: 281. [syn.]

*Polyblastus varitarsus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Polyblastus tibialis** (Cresson)

*Tryphon tibialis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 280. ♀. (not ♂).  
[o.d., Ill. (A.N.S.P.)]

*Tryphon annulipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♀. [o.d.,  
Ft. Resolution, Great Slave Lake (A.N.S.P.)]

*Polyblastus annulipes* Provancher, Nat. Canad., 1879, 11: 261; (Faune, p. 419).  
♂, ♀. [key, des., Que.]

*Polyblastus annulipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107.  
[key]

*Polyblastus annulipes* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Polyblastus tibialis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. [key, syn.,  
des., Canada, Ill.]

*Polyblastus tibialis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.  
[N.Y.]

*Polyblastus tibialis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297.  
[key]

*Prinopoda* (!) *media* Hall, Psyche, 1919, 26: 158. ♀. [o.d., Machias, Me.  
(Brues Coll.)] New synonymy.

*Polyblastus tibialis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

**LABROCTONUS** Foerster

*Labroctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Tryphon articulatus* Cresson.

*Nemioblastus* Thomson, Opusc. Ent., 1883, 9: 901. New synonymy.

Genotype: *Polyblastus* (*Nemioblastus*) *albicoxa* Thomson.

**Labroctonus articulatus** (Cresson)

*Tryphon articulatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀. [o.d.,  
Hudson Bay Territory (A.N.S.P.)]

*Labroctonus articulatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♀.  
[des.]

**Labroctonus dorsalis** (Provancher) new combination

*Tryphon dorsalis* Provancher, Nat. Canad., 1879, 11: 253; (Faune, p. 411). ♀ :  
[key, o.d., Que. (M.P.Q.)]

*Tryphon dorsalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 100.  
[key]

*Tryphon dorsalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

**Labroctonus gloriosus** (Davis) new combination

*Phaestus gloriosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 292. ♀ . [o.d.,  
Wash. (A.N.S.P.)]

**SCOPIORUS** Foerster

*Scopiorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Polyblastus marginatus* Holmgren.

*Gemophaga* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 211.

New synonymy.

Genotype: *Gemophaga rufa* Ashmead.

**Scopiorus alaskensis** Ashmead

*Scopiorus* (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 214. ♀ .  
[o.d., Popof Is., Alaska (U.S.N.M.)]

**Scopiorus analis** (Cresson)

*Tryphon analis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 279. ♂ . [o.d., Pa.  
(A.N.S.P.)]

*Tryphon occidentalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♀ . [o.d.,  
Ill. (A.N.S.P.)]

*Scopiorus analis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂ , ♀ . [key,  
syn., des., Ill., N.H., Pa.]

*Scopiorus analis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298.  
[key]

*Scopiorus* (!) *analis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Scopiorus analis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Scopiorus occidentalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.  
[Me.]

*Scopiorus analis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948.  
[N.Y.]

*Scopiorus analis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Scopiorus annulicornis** (Provancher) new combination

*Polyblastus annulicornis* Provancher, Addit. Faune Canada, Hymén., 1886,  
p. 108. ♀ . [key, o.d., Knowlton, Que. (M.P.Q.)]

*Tryphon annulicornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Polyblastus annulicornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

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**Scopiorus dilatatus** (Provancher)

*Calocentrus dilatatus* Provancher, Nat. Canad., 1875, 7: 316. ♂. [o.d., Que. (M.P.Q.)]

*Polyblastus dilatatus* Provancher, Nat. Canad., 1879, 11: 261; (Faune, p. 419). [key, des.]

*Polyblastus dilatatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]

*Scopiorus subcrassus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. [syn. (in part)]

*Scopiorus dilatatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Scopiorus expansus** Davis

*Scopiorus expansa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♀. [key, o.d., Colo. (A.N.S.P.), Mont.]

*Scopiorus expansus* Dalla Torre, Cat. Hymen., 1901, 3: 314. [syn.]

*Polyblastus scopioroides* Hall, Psyche, 1919, 26: 156. ♂. [o.d., Woods Hole, Mass. (Brues Coll.)] New synonymy.

**Scopiorus extricatus** Davis

*Scopiorus extricatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. ♀. [key, o.d., Colo. (A.N.S.P.)]

**Scopiorus frigidus** (Cresson) new combination

*Bassus frigidus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Great Slave Lake (A.N.S.P.)]

*Zootrephes frigidus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 22. ♀. [key, des.]

**Scopiorus gillettii** Davis

*Scopiorus gillettii* Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♀. [key, o.d., Colo. (A.N.S.P.)]

**Scopiorus niveicola** Ashmead

*Scorpiorus* (!) *niveicola* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 214. ♂, ♀. [o.d., Alaska (U.S.N.M.)]

**Scopiorus plagosus** Hall

*Scopiorus plagosus* Hall, Psyche, 1919, 26: 159. ♀. [o.d., Yellowstone Pk., Continental Divide, 8200 ft., Wyo. (Brues Coll.)]

**Scopiorus quebecensis** (Provancher)

*Euceros Quebecensis* Provancher, Nat. Canad., 1874, 6: 30. ♀. [o.d., Que. (M.P.Q.)]

*Polyblastus Quebecensis* Provancher, Nat. Canad., 1879, 11: 262; (Faune, p. 420). [key, des.]

*Polyblastus Quebecensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]



*Tryphon flavifrons* Fyles, Canad. Ent., 1893, 25: 107. ♀. [o.d., host *a*, Que. (location of type unknown)]

*Scopiorus quebecensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂, ♀. [key, syn., des.]

*Scopiorus monticola* Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 56. ♀. [o.d., Colorado Springs, 5915 ft., Colo. (Univ. Kans.)] New synonymy.

*Polyblastus quebecensis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Scopiorus quebecensis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host *b c*, Canada]

TENTHREDINIDAE: *a*, *Nematus* sp. on *Populus* sp.; *b*, *Pikonema alaskensis*; *c*, *Pikonema dimmockii*.

### **Scopiorus rufus** (Ashmead) new combination

*Trophoctonus insularis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Gemophaga rufa* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

### **Scopiorus subcrassus** (Cresson)

*Tryphon subcrassus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♂, ♀. [o.d., Mass. (A.N.S.P.), Conn., Pa.]

*Polyblastus subcrassus* Provancher, Nat. Canad., 1879, 11: 262; (Faune, p. 420). [key, des.]

*Polyblastus subcrassus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. [key]

*Scopiorus subcrassus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 259. ♂, ♀. [key, syn. (in part), des., Canada, Conn., Me., Mass., Mich., Mont., N.H., Pa.]

*Tryphon subcrassus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass.]

*Scopiorus subcrassus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298. [key]

*Scopiorus subcrassus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Scopiorus subcrassus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

TENTHREDINIDAE: *a*, tenthredinid on *Prunus pennsylvanica*.

### **ERROMENUS** Holmgren

*Erromenus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 221.

Genotype: *Tryphon brunnicans* Gravenhorst.

*Currania* Viereck, Canad. Ent., 1924, 56: 300. New synonymy.

Genotype: *Currania mirabilis* Viereck.

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**Erromenus bedardi** Provancher

*Erromenus Bedardi* Provancher, Nat. Canad., 1879, 11: 266; (Faune, p. 424).

♀. [key, o.d., Douglastown, Que. (M.P.Q.)]

*Tryphon bedardi* Davis, Proc. Acad. Nat. Sci. Philadelphia, 1894, p. 190. [syn.]

*Tryphon bedardi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

*Erromenus bedardi* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host a b, Canada]

TENTHREDINIDAE: a, *Pikonema alaskensis*; b, *Pikonema dimmockii*.

**Erromenus crassus** (Cresson)

*Tryphon crassus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 107. ♂, ♀. [o.d., N.J. (A.N.S.P.), Mass.]

*Tryphon tejonicus* Cresson, Proc. Acad. Nat. Sci. Philadelphia, 1878, p. 372.

♂. [o.d., Ft. Tejon, Calif. (A.N.S.P.)]

*Erromenus crassus* Provancher, Nat. Canad., 1879, 11: 266; (Faune, p. 424). [key, des.]

*Erromenus crassus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♂, ♀. [key, syn., des., N.J., Mass., Cal., Canada]

*Polyblastus leviculus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 263. ♂. [key, o.d., Colo. (A.N.S.P.)] New synonymy.

*Erromenus crassus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298. [key]

**Erromenus dimidiatus** (Cresson)

*Tryphon dimidiatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♂. [o.d., N.J. (A.N.S.P.), Pa.]

*Tryphon atricoxus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 104. ♀?. [o.d., (?Ill.) (type destroyed)]

*Tryphon dimidiatus* var. *atricoxus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 104. [syn.]

*Erromenus dimidiatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 111. ♀. [des. Ont.]

*Scopiorus hiatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 258. ♂, ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)] New synonymy.

*Erromenus dimidiatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♂, ♀. [key, syn., des., N.H., Mass., N.J., Pa., Mich., Ill., Colo., Mont., Ida., Wash.]

*Erromenus dimidiatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 298. [key, Conn.]

*Erromenus dimidiatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Erromenus dimidiatus* Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 948. [N.Y.]

*Erromenus* (!) *dimidiatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Erromenus glabrosus** Davis

*Erromenus glabrosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♂, ♀.  
[key, o.d., Southern Calif. (A.N.S.P.), Wyo.]

**Erromenus marginatus** Provancher

*Erromenus marginatus* Provancher, Nat. Canad., 1883, 14: 10; (Faune, p. 797).  
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Erromenus marginatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♀. [key, des.]

*Erromenus marginatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.  
[Me.]

**Erromenus mirabilis** (Viereck) new combination

*Currana mirabilis* Viereck, Canad. Ent., 1924, 56: 301. ♀. [o.d., fig., Aylmer, Que. (C.N.C.)]

**TRYPHON** Fallén

*Tryphon* Fallén, Sp. Nov. Hymen. Disp. Lundae, 1813, p. 16.

Genotype: *Ichneumon rutilator* Linnaeus.

*Otitochilus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.

Genotype: *Tryphon* (*Otitochilus*) *trochanteratus* Holmgren.

*Symboëthus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 204.  
New synonymy.

Genotype: *Tryphon exclamationis* Gravenhorst.

*Noëmon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207. New synonymy.

Genotype: *Noëmon palmaris* Davis.

*Quadriagana* Davis, Trans. Amer. Ent. Soc., 1897, 24: 266, 280. New synonymy.

Genotype: *Tryphon americanus* Cresson.

**Tryphon alaskensis** Ashmead

*Polyblastus glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 213. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Tryphon alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

**Tryphon americanus** Cresson

*Tryphon americanus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 276. ♂. [o.d., Del. (A.N.S.P.), Canada West]

*Tryphon affinis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 277. ♀. [o.d., Pa. (type lost), N.J.]

*Tryphon americanus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 102.  
♂, ♀. [key, des., Ont.]

*Tryphon americanus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Quadriagana americana* Davis, Trans. Amer. Ent. Soc., 1898, 24: 281. [syn., des., Canada, Del., Ill., Mass., Mich., Mont., N.J., N.Y., Pa.]

*Quadrigana americana* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Quadrigana americana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [des.]

*Quadrigana americana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

***Tryphon atripes* Davis**

*Tryphon communis* var. *atripes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282.

♂. ♀. [key, o.d., North Ill. (A.N.S.P.), Colo., Mont., N.H., Ore., S.D.]

*Tryphon communis* var. *atripes* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Tryphon communis* var. *atripes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

***Tryphon californicus* Cresson**

*Tryphon californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

*Noemon californicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♂, ♀. [key, des.]

***Tryphon communis* var. *communis* Cresson**

*Tryphon communis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♂, ♀. [o.d., Pa. (A.N.S.P.), Conn., Hudson Bay Territory, Mass., N.Y.] \*

*Tryphon communis* Provancher, Nat. Canad., 1875, 7: 119. [key, Que.]

*Tryphon communis* Provancher, Nat. Canad., 1879, 11: 255; (Faune, p. 413). [key, des.]

*Tryphon communis* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Tryphon communis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

*Tryphon pediculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 102. ♂. [key, o.d., Bécancour, Que. (M.P.Q.)] New synonymy.

*Tryphon communis* Harrington, Canad. Ent. 1887 29: 45 B.C.

*Tryphon pediculatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Tryphon communis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. ♂, ♀. [key, syn. (in part), des., Calif., Canada, Colo., Conn., Ill., Kans., Me., Mass., Mich., Mont., N.H., N.J., N.Y., Nev., Pa., Wash.]

*Tryphon seminiger* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. [syn. (in part)]

*Tryphon seminiger* Viereck, Bull. Conn., Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [key, des.]

*Grypocentrus rufiterminalis* Hall, Psyche, 1919, 26: 157. ♀. [o.d., Petersham, Mass. (Brues Coll.)] New synonymy.

*Tryphon communis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Tryphon communis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Tryphon communis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Tryphon communis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

**Tryphon communis** var. **clypeatus** Provancher

*Tryphon clypeatus* (as *Tryphon clypealis* p. 309) Provancher, Nat. Canad., 1875, 7: 309, 311. ♂. [key, o.d., Que. (M.P.Q.)]

*Tryphon clypeatus* Provancher, Nat. Canad., 1879, 11: 254; (Faune, p. 412). ♂. [key, des.]

*Tryphon clypeatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

*Tryphon communis* var. *clypeatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♂. [key, des., Canada, Me., Mass., Mont., N.J.]

*Tryphon communis* var. *clypeatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂. [key, des.]

*Tryphon communis* var. *clypeatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

**Tryphon davis** new name

*Tryphon nigrum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 281. ♂. [key, o.d., Gaylord, Mich. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.

**Tryphon dionnei** Provancher

*Tryphon Dionnei* Provancher, Nat. Canad., 1879, 11: 256; (Faune, p. 414). ♀. [key, o.d., Que. (M.P.Q.)]

*Tryphon Dionnei* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

*Tryphon communis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. [syn. (in part)]

**Tryphon feria** (Davis) new combination

*Otilophorus innumerabilis* var. *feria* Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Mich., N.H.]

*Epachtes* (!) *basilicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♂, ♀. [o.d., Colo. (A.N.S.P.), Calif., Mont., Ore.] New synonymy.

*Otilophorus innumerabilis* var. *feria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. [des.]

*Epachthes basilicus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

*Otilophorus innumerabilis* var. *feria* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

*Otilophorus feria* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

**Tryphon innumerabilis** (Davis) new combination

*Otilophorus innumerabilis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♂, ♀. [o.d., Wash. (A.N.S.P.), Colo., Ida., Mont., N.H., Nev., Ore., S.D.]

*Otilophorus affinis* Ashmead, Psyche, 1901, 9: 148. ♂. [o.d., Las Vegas Range between Pecos and Sapello rivers, N.M., 11000 ft. (U.S.N.M.)] New synonymy.

*Otlophorus innumerabilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. ♂, ♀. [des.]

*Otlophorus innumerabilis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Tryphon kaniacensis** (Hall) new combination

*Polyblastus kaniacensis* Hall, Psyche, 1919, 26: 156. ♀. [o.d., Kaniac Butte, Wash. (Brues Coll.)]

**Tryphon lusorius** Cresson

*Tryphon lusorius* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♂. [o.d., Calif. (A.N.S.P.)]

*Noemon lusorius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [key, des.]

**Tryphon palmaris** (Davis) new combination

*Noemon palmaris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [key, o.d., southern Calif. (A.N.S.P.)]

**Tryphon seminiger** Cresson

*Tryphon seminiger* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 278. ♀. [o.d., Ill. (A.N.S.P.)]

*Tryphon seminiger* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Ill., Mass.]

*Tryphon seminiger* Provancher, Nat. Canad., 1875, 7: 119. [key, Que.]

*Tryphon seminiger* Provancher, Nat. Canad., 1879, 11: 255; (Faune, p. 413). ♂, ♀. [key, des.]

*Tryphon seminiger* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

*Tryphon seminigra* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Metopius terminalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 438. ♂. [o.d., Mo. (U.S.N.M.)]

*Tryphon terminalis* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key, des.]

*Metopius terminalis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Tryphon seminiger* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Tryphon seminiger* Davis, Trans. Amer. Ent. Soc., 1898, 24: 282. ♂, ♀. [key, syn. (in part), des., Calif., Colo., Ill., Mass., Mont., Nev., Ore., S.D., Wash.]

*Ctenopelma terminalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

*Tryphon seminiger* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]

*Tryphon seminiger* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Tryphon seminiger* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 294. ♂, ♀. [key, des.]

- Tryphon seminiger* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]  
*Tryphon seminiger* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]  
*Tryphon seminiger* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]  
*Tryphon seminiger* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

**DYSPETES** Foerster

- Dyspetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.  
 Genotype: *Ichneumon praerogator* Linnaeus.  
*Dyspetus* Thomson, Opusc. Ent., 1883, 9: 895, 899.  
 Genotype: *Ichneumon praerogator* Linnaeus

**Dyspetes rufus** (Provancher)

- Exetastes rufus* Provancher, Nat. Canad., 1874, 6: 78. ♂, ♀. [o.d., 'Que. (M.P.Q.)]  
*Exetastes rufus* Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 387). [key, des.]  
*Ceratostoma rufa* Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794). [syn.]  
*Xenochesis* (!) *rufus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]  
*Ceratogaster* (!) *rufa* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]  
*Ceratogaster* (!) *rufus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 142. [key, des.]  
*Dyspetes rufus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21. [syn., des.]

**COSMOCONUS** Foerster

- Cosmoconus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.  
 Genotype: *Tryphon* (*Cosmoconus*) *elongator* Fabricius.

**Cosmoconus arcticus** (Brues) new combination

- Polyblastus arcticus* Brues, Canad. Arctic Exped. 1913-18, 1919, 3 G: 22. ♀. [o.d., Ketchikan, S. Alaska (C.N.C.)]

**Cosmoconus canadensis** (Provancher)

- Tryphon Canadensis* Provancher, Nat. Canad., 1875, 7: 117. ♀. [key, o.d., Que. (M.P.Q.)]  
*Tryphon Canadensis* Provancher, Nat. Canad., 1875, 7: 311. [key]  
*Mesoleius Canadensis* Provancher, Nat. Canad., 1879, 11: 259; (Faune, p. 417). ♂, ♀. [key, des.]  
*Mesoleius Canadensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]  
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- Mesoleius canadensis* Slosson, Ent. News, 1894, 5: 4. [N.H.]  
*Cosmoconus canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 280. ♂, ♀.  
 [des., Canada, Colo., N.H., Wash.]  
*Cosmoconus canadensis* Ashmead, Ann. Rpt. N.J. Bd. Agric., 1900, 27, suppl.:  
 578. [N.J.]  
*Cosmoconus canadensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 215. [Alaska]  
*Cosmoconus canadensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
 294. ♂, ♀. [des.]  
*Cosmoconus canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.  
 [Me.]  
*Cosmoconus canadensis* Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928,  
 101: 947. [N.Y.]

#### CATOCENTRUS Cresson

- Catocentrus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110.  
 Genotype: *Catocentrus philanthoides* Cresson.

##### **Catocentrus philanthoides** (Cresson)

- Tryphon philanthoides* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀.  
 [o.d., Ill. (A.N.S.P.)]  
*Catocentrus philanthoides* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 90. ♂,  
 ♀. [des.]  
*Catocentrus philanthoides* Davis, Trans. Amer. Ent. Soc., 1897, 24: 205. ♀.  
 [des.]

#### THIBETOIDES Davis

- Thibetoides* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 205.  
 Genotype: *Thibetoides flosamoris* Davis.

##### **Thibetoides flosamoris** Davis

- Thibetoides flosamoris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 205. ♀?  
 [o.d., Siskiyou Co., Calif. (U.S.N.M.)]

### Subfamily 2. TRYPHONINAE

#### Tribe 7. EXENTERINI

##### **EXENTERUS** Hartig

- Exenterus* Hartig, Wieg. Archiv. Naturg., 1837, 1: 156.  
 Genotype: (*Tryphon marginatorius* Gravenhorst) = *amictorius* Panzer.  
*Acetononyx* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.  
 Genotype: (*Exenterus marginatorius* Fabricius) = *amictorius* Panzer. In-  
 cluded by Schmiedeknecht, Opusc. Ichneum., 1911, 5: 2303.



**Exenterus affinis** Rohwer

*Exenterus affinis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. ♀. [o.d., key, host *c*, Me. (U.S.N.M.)]

*Exenterus canadensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key] Misdetermined.

*Exenterus diprioni* Walley, Canad. Ent., 1933, 65: 259. [key, syn. (in part), des., host *c b*. Misdetermined in part.

?*Exenterus canadensis* "auct." Barclay, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 30. [biol., Ont.]

*Exenterus affinis* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 5. ♂, ♀. [key, syn., des., host *d*, Me., ?Minn., N.C., Ont., Que.]

*Exenterus affinis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

*Exenterus affinis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

DIPRIONIDAE: *a*, *Neodiprion abietis*; *b*, ?*Neodiprion swaini*; *c*, *Neodiprion* sp. on *Pinus resinosa*; *d*, *Neodiprion* sp.

**Exenterus amictorius** (Panzer) new combination

*Ichneumon marginatorius* Fabricius, Ent. Syst., 1793, 2: 145. [o.d., "Habitat Kiliae" (location of type unknown)]. Preoccupied by Rossi, 1790.

*Ichneumon amictorius* Panzer, Faun. Insect. German., 1801, 7, pt. 80, pl. 14. [o.d., fig., Norimbergae, Germany (location of type unknown)]

*Exenterus marginatorius* Balch, Rpt. Div. Lands and Forests N.S. for 1935, 1936, p. 95. [host *a*, Canada]

*Exenterus marginatorius* Finlayson and Reeks, Canad. Ent., 1936, 68: 165, 166. [biol., host *a*, Europe, Que.]

*Exenterus marginatorius* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 452. [fig. ♂ genitalia]

*Exenterus adspersus* Baird, Pulp and Paper Mag. Canada, 1938, 39: 297. [host *a*, Canada] Misdetermined.

*Exenterus adspersus?* Balch, Rpt. Div. Lands and Forests N.S. for 1938, 1939, p. 37. [N.S.] Misdetermined.

*Exenterus marginatorius* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 8. ♂, ♀. [key, syn., des., host *a b*, Europe, North America]

DIPRIONIDAE: *a*, *Diprion hercyniae*; *b*, *Diprion similis*.

**Exenterus canadensis** Provancher

*Exenterus Canadensis* Provancher, Nat. Canad., 1883, 14: 9; (Faune, p. 796). ♂, ♀. [o.d., host ?*d*, Danville, Que. (type lost)]

*Cteniscus canadensis* Cresson, Synops. Hymen. N. Amer., 1887, p. 212. [syn.]

*Picroscopus canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♂, ♀. [key, des.]

*Exenterus caudatus* Dalla Torre, Cat. Hymen., 1901, 3: 337. [syn.] Lapsus for *Exenterus canadensis*.

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*Exenterus nigrifrons* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 226. ♂ (not ♀).  
[key, o.d., Washington, D.C. (U.S.N.M.)]

*Exenterus canadensis* Walley, Canad. Ent., 1933, 65: 258. [key, syn., des.,  
host c d]

*Exenterus nigrifrons* Walley, Canad. Ent., 1933, 65: 260. [key]

*Exenterus canadensis* Peck, Canad. Jour. Res., 1937, D, 15: 246, 248, 249, 452.  
[fig. ♂ genitalia]

*Cteniscus canadensis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413.  
[Me.]

*Exenterus canadensis* Pierson & Nash, Bien. Rpt. Me. Forest Comm., 1939, 22:  
84. [host a, Me.]

*Exenterus canadensis* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 10.  
♂, ♀. [key, syn., des., host b, Me., Mass., Mich., Minn., Wis.]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion banksianae*; c, *Neodiprion lecontei*;  
d, *Neodiprion* sp.

### ***Exenterus claripennis* Thomson**

*Exenterus claripennis* Thomson, Opusc. Ent., 1883, 9: 887. ♂, ♀. [o.d.,  
(?southern Sweden) (?Lund Mus.)]

*Exenterus claripennis* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249,  
452. [fig. ♂ genitalia]

*Exenterus claripennis* Balch, Rpt. N.S. Dept. Lands and Forests for 1940, 1941,  
p. 37. [host a, N.B., Que.]

DIPRIONIDAE: a, *Diprion hercyniae*.

### ***Exenterus diprioni* Rohwer**

*Exenterus diprioni* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 222. ♀. [o.d.,  
host b, Tomahawk Lake, Wis. (U.S.N.M.)]

*Exenterus diprioni* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key]

*Exenterus diprioni* Middleton, Jour. Agr. Res., 1921, 20: 757. [host b]

*Exenterus diprioni* Hutchings, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18:  
115. [host b, eastern Canada]

*Exenterus diprioni* Walley, Canad. Ent., 1933, 65: 259. [key, syn. (in part),  
des., host c d.] Misdetermined in part.

*Exenterus diprioni* Barclay, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 30. [biol., Ont.]

*Exenterus diprioni* Brimley, Insects of N.C., 1938, p. 412. [host e, N.C.]

*Exenterus diprionis* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 4. ♂,  
♀. [key, syn., des., host a b, La., N.C., Que., S.C., Wis.]

DIPRIONIDAE: a, *Neodiprion fabricii*?; b, *Neodiprion lecontei*; c, ?*Neodiprion swainei*;  
d, *Neodiprion* sp.; e, sawfly larva on *Cedrus deodara*.

### ***Exenterus flavissimus* Cushman**

*Exenterus flavissimus* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 12.  
♂, ♀. [key, o.d., host a, Bound Brook, N.J. (U.S.N.M.)]

DIPRIONIDAE: a, *Neodiprion sertifer*.

**Exenterus hullensis** Provancher

*Exenterus Hullensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 104.

♂, ♀. [o.d., Hull, Que. (C.N.C.)]

*Cteniscus hullensis* Cresson, Synops. Hymen. N. Amer., 1887, p. 212. [syn.]

*Exenterus hullensis* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Picroscopus hullensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 230. ♂. [key, des.]

*Exenterus hullensis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 226. [key]

*Exenterus hullensis* Walley, Canad. Ent., 1933, 65: 259. [key, des.]

*Exenterus hullensis* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 7. ♂, ♀. [key, des., N.H., Que.]

**Exenterus lophyri** Viereck

*Exenterus lophyri* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 404. ♀. [o.d., host *a*, Crawford, Neb. (U.S.N.M.)]

*Exenterus lophyri* Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 26-28. [fig., biol., host *a*, Neb.]

*Exenterus lophyri* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 225. [key, correction of Viereck's host record *a*]

*Exenterus lophyri* Walley, Canad. Ent., 1933, 65: 259. [key]

*Exenterus lophyri* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 5. ♀. [key, des.]

DIPRIONIDAE: *a*, *Zadiprion grandis*.

**Exenterus pini** Cushman

*Exenterus pini* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 13. ♂, ♀. [key, o.d., host *a*, Halsey, Neb. (U.S.N.M.), Colo.]

TENTHREDINIDAE: *a*, tenthredinid.

**Exenterus tsugae** Cushman

*Exenterus tsugae* Cushman, Misc. Pub. U. S. Dept. Agr., 1940, 354: 13. ♂, ♀. [key, o.d., host *a*, Sweet Home, Ore. (U.S.N.M.), Mont.]

*Exenterus tsugae* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

**ACROTOMUS** Holmgren

*Acrotomus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 222.

Genotype: *Tryphon lucidulus* Gravenhorst.

*Delotomus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 194.

Genotype: *Tryphon lucidulus* Gravenhorst.

**Acrotomus rufus** (Provancher)

*Cteniscus rufus* Provancher, Nat. Canad., 1876, 8: 318. ♀. [o.d., Que. (M.P.Q.)]

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- Cteniscus rufus* Provancher, Nat. Canad., 1879, 11: 265; (Faune, p. 423).  
[key, des.]  
*Acrotomus rufus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]  
*Delotomus rufus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 227. ♀. [des.]

### CTENISCUS Haliday

- Cteniscus* Haliday, in Curtis: Guide, Arrang. British Insects, Ed. 2, 1836, p. 98.  
Genotype: *Tryphon* (*Cteniscus*) *curtisii* Haliday.

#### **Cteniscus clypeatus** Cresson

- Cteniscus clypeatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀. [o.d.,  
Great Slave Lake, N.W. Terr. (A.N.S.P.)]  
*Tryphon affinis* Provancher, Nat. Canad., 1875, 7: 120. [key, Que.] Mis-  
determined.  
*Cteniscus clypeatus* Provancher, Nat. Canad., 1879, 11: 264; (Faune, p. 422).  
[key, syn., des.]  
*Cteniscus clypeatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Cteniscus clypeatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 228. ♂, ♀.  
[key, des., Colo., Hudson Bay Terr., N.H., Ore.]  
*Exenterus clypeatus* Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]  
*Cteniscus clypeatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. [key, syn:  
(in part), Alaska]  
*Cteniscus clypeatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

#### **Cteniscus consors** Cresson

- Cteniscus consors* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀. [o.d.,  
Conn. (A.N.S.P.)]  
*Tryphon frontalis* Provancher, Nat. Canad., 1875, 7: 120. [key, Que.] Mis-  
determined.  
*Cteniscus consors* Provancher, Nat. Canad., 1879, 11: 264; (Faune, p. 422).  
[key, syn., des.]  
*Cteniscus consors* Davis, Trans. Amer. Ent. Soc., 1897, 24: 228. ♀. [key, des.,  
Conn., Nev., N.H., Ont., Tex.]  
*Exenterus consors* Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]  
*Exenterus consors* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
♀. [key, des.]

#### **Cteniscus crassipes** Provancher

- Cteniscus crassipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 109.  
♀. [o.d., Toronto, Ont. (type lost)]  
*Cteniscus crassipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]  
*Exenterus crassipes* Dalla Torre, Cat. Hymen., 1901, 3: 338. [syn.]

#### **Cteniscus flavicoxae** Cresson

- Cteniscus flavicoxae* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 283. ♀. [o.d.,  
Del. (A.N.S.P.)]

*Exenteron flavicoxus* (!) Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 105. ♂, ♀.  
[des.]

*Cteniscus flavicoxae* Provancher, Addit. Faune Canada, Hymén., 1886, p. 109.  
[des., Ont.]

*Cteniscus flavicoxae* Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♂, ♀.  
[key, des., Canada, Del., Ill., Mass.]

*Exenterus flavicoxae* Dalla Torre, Cat. Hymen., 1901, 3: 339. [syn.]

*Exenterus flavicoxae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
♂, ♀. [key, des.]

*Cteniscus flavicoxae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
948. [N.Y.]

***Cteniscus nigrofemoralis* Ashmead**

*Cteniscus nigrofemoralis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. ♂.  
[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

*Cteniscus nigrofemoralis* Roman, Naturw. Unters. Sarekgebirges Swedisch-  
Lapland, 1909, 4: 286. [des.]

***Cteniscus orbitalis* Cresson**

*Cteniscus orbitalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 283. ♀ (not ♂).  
[o.d., Pa. (A.N.S.P.)]

*Cteniscus orbitalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 110.  
[des., Ont.]

*Cteniscus orbitalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 229. ♀. [key,  
des., Canada, Pa.]

*Exenterus orbitalis* Dalla Torre, Cat. Hymen., 1901, 3: 341. [syn.]

*Exenterus orbitalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
♀. [key, des.]

*Cteniscus orbitalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

***Cteniscus ornatus* (Walsh) new combination**

*Exenteron ornatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 105. ♂. [o.d.  
(?Ill.) (type destroyed)]

*Tryphon rufigaster* Provancher, Addit. Faune Canada, Hymén., 1886, p. 104.  
♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

*Diaborus ornatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂. [key,  
des., Ill., N.H.]

*Mesoleptus rufigaster* Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♀. [key,  
des., Canada, Ga.]

*Mesoleptidea rufigaster* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
290. ♀. [key, des.]

*Diaborus ornatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Mesoleptidea rufigaster* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135.  
[Me.]

*Diaborus ornatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

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**ERIDOLIUS** Foerster

*Eridolius* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Exenterus pygmaeus* Holmgren.

**Eridolius alaskensis** (Ashmead)

*Microplectron alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 210. ♂.  
[o.d., Popof Is., Alaska (U.S.N.M.)]

*Eridolius alaskensis* Walley, Canad. Ent., 1937, 69: 131. [syn.]

**DIABORUS** Foerster

*Diaborus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Cteniscus (Diaborus) sedulus* Woldstedt.

**Diaborus citrifrons** Ashmead

*Diaborus citrifrons* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♂. [o.d.,  
Popof Is., Alaska (U.S.N.M.)]

**Diaborus dorsalis** (Cresson)

*Cteniscus dorsalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 282. ♀ (not ♂).  
[o.d., Ill. (A.N.S.P.)]

*Diaborus dorsalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♀. [key, des.,  
Ill.]

**Diaborus ignipes** Davis

*Diaborus ignipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 231. ♂, ♀. [key,  
o.d., N.H. (A.N.S.P.), Canada]

**Diaborus maculiventris** Ashmead

*Diaborus maculiventris* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♂.  
[o.d., White Mts., N.H. (U.S.N.M.)]

*Diaborus maculiventris* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Diaborus maculiventris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 230. ♂, ♀.  
[key, des., N.H.]

**Diaborus mediatus** (Cresson)

*Cteniscus mediatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 282. ♂. [o.d.,  
Ill. (A.N.S.P.)]

*Cteniscus mediatus* Provancher, Nat. Canad., 1879, 11: 263; (Faune, p. 421).  
[key, des., Que.]

*Diaborus mediatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂, ♀. [key,  
des., Canada, Ill., Mich.]

*Diaborus mediatus* Hopping, Canad. Ent., 1937, 69: 248. [host *a*, B.C.]

TENTHREDINIDAE: *a*, *Hemichroa crocea*.

**Diaborus nebraskensis** Davis

*Diaborus nebraskensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♂. [key, o.d., Neb. (A.N.S.P.)]

**Diaborus nigrocephalus** Davis

*Diaborus nigrocephalus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 232. ♀. [key, o.d., Ga. (A.N.S.P.)]

**Diaborus scalaris** (Gravenhorst) \*

*Tryphon scalaris* Gravenhorst, Ichneum. Europeae, 1829, 2: 159. ♂. [o.d., "in valle Gottingensis et circa Norimbergam," Germany (?Breslau Mus.)]

*Cteniscus sexlituratus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Canada, Europe) Misdetermined.]

*Diaborus scalaris* Roman, Ent. Tidskr., 1932, 58: 8. [syn.]

**Diaborus sexmaculatus** Ashmead

*Diaborus sexmaculatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

**Diaborus similis** Davis

*Diaborus similis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 231. ♀ (only). [key, o.d., Colo. (A.N.S.P.), Mont.]

**Diaborus vitticollis** (Cresson)

*Cteniscus vitticollis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. ♀ (not ♂). [o.d., Mass., (A.N.S.P.)]

*Excavarus vitticollis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 233. ♀ (not ♂). [key, des., Mass.]

*Diaborus vitticollis* Walley, Canad. Ent., 1937, 69: 132. [syn.]

*Diaborus vitticollis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**SMICROPLECTRUS** Thomson

*Microplectron* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195. Preoccupied by Streubel, 1842, and by Dahlbom, 1857.

Genotype: *Exenterus jucundus* Holmgren.

*Smicroplectrus* Thomson, Opusc. Ent., 1883, 9: 888.

Genotype: *Exenterus jucundus* Holmgren.

*Auderis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 227, 233.

Genotype: *Cteniscus albilineatus* Walsh.

*Excavarus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 227, 233.

Genotype: *Cteniscus annulipes* Cresson.

*Auderis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [emendation of *Auderis* Davis]

\* Occurrence in the Nearctic Region needs confirmation.

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**Smicroplectrus albilineatus** (Walsh)

- Cteniscus albilineatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 107. ♂? [o.d., (?Ill.) (type destroyed)]
- Anderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂, ♀. [key, syn., des., Canada, Colo., Ill., Mich. (in part)]
- Auderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Microplectron albilineatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]
- Smicroplectrus albilineatus* Walley, Canad. Ent., 1937, 69: 136. [key, syn., des., Ont.]

**Smicroplectrus annulipes** (Cresson)

- Cteniscus annulipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♀ (not ♂). [o.d., Mass. (A.N.S.P.)]
- Cteniscus annulipes* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]
- Excavarus annulipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 233. ♂. [key, des., Ill., Mass.]
- Excavarus annulipes* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Excavarus annulipes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]
- Smicroplectrus annulipes* Walley, Canad. Ent., 1937, 69: 132. [key, syn., Alta., Ont., Que.]
- Excavarus annulipes* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
- Cteniscus annulipes* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413. [Me.]

**Smicroplectrus apicatus** (Provancher)

- Cteniscus apicatus* Provancher, Nat. Canad., 1879, 11: 263; (Faune, p. 421). ♀ (not ♂). [key, o.d., Que. (M.P.Q.)]
- Anderis albilineatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. [syn. (in part)]
- Smicroplectrus apicatus* Walley, Canad. Ent., 1937, 69: 135. [key, syn., des., host a, Ont.]
- TENTHREDINIDAE: a, ?*Nematus* sp.

**Smicroplectrus californicus** (Cresson)

- Cteniscus californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♂. [o.d., Calif. (A.N.S.P.)]
- Anderis californicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂. [key, des.]
- Auderis californicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Smicroplectrus californicus* Walley, Canad. Ent., 1937, 69: 131. [syn.]

**Smicroplectrus disseptus** Walley

- Smicroplectrus disseptus* Walley, Canad. Ent., 1933, 65: 256. ♂, ♀. [o.d., Agassiz, B.C. (C.N.C.)]
- Smicroplectrus disseptus* Walley, Canad. Ent., 1937, 69: 136. [key, Ont., Que.]



**Smicroplectrus incompletus** Walley

*Smicroplectrus incompletus* Walley, Canad. Ent., 1937, 69: 134. ♂, ♀. [key, o.d., Mt. Albert, Gaspé Co., Que. (C.N.C.), N.S.]

**Smicroplectrus robustus** Walley

*Smicroplectrus robustus* Walley, Canad. Ent., 1937, 69: 135. ♂, ♀. [key, o.d., host *a*, Kazubazua, Que. (C.N.C.)]

TENTHREDINIDAE: *a*, *Nematus* (*Pteronidea*) sp.

**Smicroplectrus velox** Walley

*Smicroplectrus velox* Walley, Canad. Ent., 1937, 69: 132. ♂, ♀. [key, o.d., host *a*, Bell's Corners, Carleton Co., Ont. (C.N.C.), B.C., Que.]

*Smicroplectrus velox* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 6. [host *b*, Canada]

TENTHREDINIDAE: *a*, *Pachynematus ochreateus*; *b*, *Pikonema alaskensis*.

**EXYSTON** Schiödte

*Exyston* Schiödte, Guerin's Mag. Zool. Ins., 1839, 9: 12.

Genotype: *Ichneumon cinctulus* Gravenhorst.

*Anecephysis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

New synonymy.

Genotype: (*Anecephysis curvineura* Davis) = *nigreo* Davis.

**Exyston articulatus** Davis

*Exyston articulatus* (as *articularis* in key) Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♂. [key, o.d., Mont. (A.N.S.P.), Colo., S.D.]

**Exyston boreotis** Davis

*Exyston nigroscutum* Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂. [key, o.d., Colo. (A.N.S.P.)] New synonymy.

*Exyston boreotis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂, ♀. [key, o.d., Hudson Bay Terr. (A.N.S.P.), Colo.]

*Exyston contracta* Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂. [key, o.d., Nev. (A.N.S.P.), Wash.] New synonymy.

*Exyston contractus* Dalla Torre, Cat. Hymen., 1901, 3: 333. [syn.]

**Exyston clavatus** (Cresson)

*Cteniscus clavatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 284. ♂. [o.d., Del. (A.N.S.P.)]

*Cteniscus abdominalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

*Exyston abdominalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

*Exyston clavatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 113. [des., Conn., Del., Ill., Me., N.Y.]

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*Mesoleptus maculosus* Provancher, Nat. Canad., 1875, 7: 114. ♀. [key, o.d., Que. (M.P.Q.)]

*Cteniscus clavatus* Provancher, Nat. Canad., 1875, 7: 139. [key, des., Que.]

*Mesoleptus maculosus* Provancher, Nat. Canad., 1875, 7: 272. [key]

*Exyston clavatus* Provancher, Nat. Canad., 1879, 11: 249; (Faune, p. 407). [key, des.]

*Exyston clavatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Exyston abdominalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♂. [o.d., Beverly, Mass. (U.S.N.M.)]

*Exyston clavatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 238. ♂. [key, des., Conn., Del., Mass., Mich., N.J.]

*Exyston abdominalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♀ (only). [key, des., Colo., Ill., Mass., Mich., Mont.; Nev., N.H.]

*Exyston clavatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577. [N.J.]

*Rhimphalea erythrogastra* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 296. ♀. [o.d., Branford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Exyston clavatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

*Exyston abdominalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

*Exyston clavatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Exyston abdominalis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

### ***Exyston excelsus* (Cresson)**

*Cteniscus excelsus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 262. ♀. [o.d., Colo. (A.N.S.P.)]

*Exyston excelsus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

*Exyston excelsus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂, ♀. [key, des., Calif., Colo., Mont.]

### ***Exyston flavens* Davis**

*Exyston flavens* Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♀. [key, o.d., Tex. (A.N.S.P.)]

### ***Exyston humeralis* Davis**

*Exyston humeralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 239. ♂. [key, o.d., Canada (A.N.S.P.)]

*Exyston humeralis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

### ***Exyston marginatus* Provancher**

*Exyston marginatum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 99. ♀. [o.d., Toronto, Ont. (type lost)]

*Exyston marginatum* Davis, Trans. Amer. Ent. Soc., 1897, 24: 236. ♀. [key, des.]

**Exyston nigreo** Davis

*Anecphysis curvineura* Davis, Trans. Amer. Ent. Soc., 1897, 24: 234. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Ill.] New synonymy.

*Exyston nigreo* Davis, Trans. Amer. Ent. Soc., 1897, 24: 236. ♂. [key, o.d., Colo. (A.N.S.P.), Wash. Terr.]

*Anecphysis curvineura* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. ♂, ♀. [des.]

*Anecphysis curvineura* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 948. [N.Y.]

*Anecphysis curvineura* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

**Exyston politus** Davis

*Exyston politus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♀. [key, o.d., southern Calif. (A.N.S.P.)]

**Exyston speciosus** Davis

*Exyston speciosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 237. ♂. [key, o.d., Colo. (A.N.S.P.), Wash. Terr.]

**Exyston variatus** Provancher

*Exyston variatus* Provancher, Nat. Canad., 1877, 9: 15. ♀. [o.d., Que. (M.P.Q.)]

*Exyston variatus* Provancher, Nat. Canad., 1879, 11: 249; (Faune, p. 407). ♀. [key, o.d., Que.] Presumably the same type as of 1877.

*Exyston abdominalis* var. *rufinus* Davis, Trans. Amer. Ent. Soc. 1897, 24: 239. ♀ (only). [key, o.d., N.H. (A.N.S.P.), Mass. N.Y.] New synonymy.

*Exyston variatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♂, ♀. [key, des., Canada, Colo., Mich., N.H., N.J., N.Y., S.D.]

*Exyston variatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577. [N.J.]

*Exyston variegatus* (!) Dalla Torre, Cat. Hymen., 1901, 3: 333. [syn.]

*Exyston abdominalis* var. *rufinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

*Exyston variatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [key]

*Exyston rufinus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Exyston venustus** (Cresson)

*Cteniscus venustus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 263. ♀. [o.d., Colo. (A.N.S.P.)]

*Exyston venustus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

*Exyston venustus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 240. ♀. [key, des., Colo.]

## Subfamily 3. CRYPTINAE

## Tribe 1. HEMITELINI

**BATHYTHRIX** Foerster

*Ischnurgops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Cryptus claviger* Taschenberg.

*Steganops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Cryptus claviger* Taschenberg.

*Bathythrix* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: *Bathythrix meteori* Howard

*Panargyrops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Cryptus claviger* Taschenberg.

*Chaeretymma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

Genotype: (*Cryptus ater* Brischke) = *claviger* Taschenberg. (designated by Cushman, Proc. U. S. Nat. Mus., 1920, 58: 259.)

*Gausocentrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

New synonymy.

Genotype: *Gausocentrus gyrini* Ashmead.

*Leptocryptus* Thomson, Opusc. Ent., 1884, 10: 963.

Genotype: *Cryptus claviger* Taschenberg.

*Chrysocryptus* Cameron, Jour. Straits Brit. Roy. Asiatic Soc., 1902, 37: 58.

Genotype: *Chrysocryptus aureopilosa* Cameron.

**Bathythrix areolaris** (Cushman) new combination

*Panargyrops areolaris* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 397. ♂, ♀.

[o.d., host a, Sweet Home, Ore. (U.S.N.M.)]

*Panargyrops areolaris* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.

[biol., Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

**Bathythrix claviger** (Taschenberg) new combination

*Cryptus claviger* Taschenberg, Ztschr. f.d. Ges. Naturw., 1865, 25: 76. ♂.

[key, o.d., (Germany) (location of type unknown)]

*Mesostenus sericeus* Provancher, Nat. Canad., 1875, 7: 264, 267. ♂. [key,

o.d., Que. (M.P.Q.)] New synonymy.

*Mesostenus sericeus* Provancher, Nat. Canad., 1879, 11: 111; (Faune, p. 345).

♂, ♀. [key, des., fig.]

*Cryptus sericeifrons* Provancher, Nat. Canad., 1879, 11: 132, (Faune, p. 331).

♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)] New synonymy.

*Mesoleptus sericeus* Provancher, Nat. Canad., 1879, 11: 222, (Faune, p. 395).

♂, ♀. [key, des.]

*Cryptus sericeifrons* Provancher, Nat. Canad., 1882, 13: 361, (Faune, p. 783).

♂. [des.]

*Cryptus sericeifrons* Provancher, Addit. Faune Canada, Hymén., 1886, p. 61, 64.

[key]

*Mesoleptus sericeus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 93.  
[key]

*Mesoleptus sericeus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 363.  
[syn.]

*Cryptus? sericeus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Bathythrix tibialis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. ♂, ♀.  
[key, o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

*Panargyroptis tibialis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 261. [key, des.]

*Panargyroptis sericeus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 261. [key, des.]

?*Panargyroptis texanus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262. ♀.  
[key, o.d., Tex. (U.S.N.M.)] Preoccupied in *Bathythrix* by Ashmead, 1890.  
New synonymy.

*Panargyroptis pacificus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262. ♀.  
[key, o.d., San Juan Is., Wash. (U.S.N.M.)] New synonymy.

?*Thysiotorus (Panargyroptis) texanus* Viereck, Canad. Ent., 1925, 57: 77. [key]

*Thysiotorus (Panargyroptis) tibialis* Viereck, Canad. Ent., 1925, 57: 77. [key]

*Thysiotorus (Panargyroptis) sericeus* Viereck, Canad. Ent., 1925, 57: 77. [key]

*Thysiotorus (Panargyroptis) pacificus* Viereck, Canad. Ent., 1925, 57: 77. [key]

*Thysiotorus (Panargyroptis) tegularis* Viereck, Canad. Ent., 1925, 57: 78. ♀.  
[key, o.d., Agassiz, B.C. (C.N.C.)] New synonymy.

*Thysiotorus (Panargyroptis) conjunctus* Viereck, Canad. Ent., 1925, 57: 78. ♂,  
♀. [key, o.d., Banff, Alta. (C.N.C.)] New synonymy.

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

#### ***Bathythrix fragilis* (Viereck) new combination**

*Plesiognathus (!) fragilis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 81. ♂.  
[o.d., Beulah, N.M. (A.N.S.P.)]

#### ***Bathythrix gyrini* (Ashmead) new combination**

*Gausocentrus gyrini* Ashmead, Canad. Ent., 1894, 26: 25. ♂. [o.d., host *a*,  
Independence, Ia. (U.S.N.M.)]

(Hemitelini) *gyrini* Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

*Gausocentrus gyrini* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290.  
♂. [des., host *a*]

*Hemiteles gyrinophagus* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 5.  
[new name for *Gausocentrus gyrini* Ashmead.]

*Hemiteles gyrinophagus* Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79. [key]

GYRINIDAE: *a*, *Gyrinus* sp.

#### ***Bathythrix insula* (DeGant) new combination**

*Panargyroptis insula* DeGant, Proc. U. S. Nat. Mus., 1933, 82: 2. ♂, ♀. [o.d.,  
Parr Is., East Spence Lake, Ont. (U.S.N.M.)]

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**Bathythrix latifrons** (Cushman) new combination

*Thysiotorus latifrons* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 396. ♂, ♀.  
[o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

*Thysiotorus latifrons* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.  
[biol., Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

**Bathythrix meteori** Howard

*Bathythrix meteori* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 31, 53. [o.d., host *a*, D.C. (U.S.N.M.)]

*Bathythrix meteori* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]

*Hemiteles* (*Bathythrix*) *meteori* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]

*Bathythrix meteori* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. [key]

BRACONIDAE: *a*, *Meteorus communis*.

**Bathythrix peregrina** (Cresson) new combination

*Mesoleptus? peregrinus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 102. ♂, ♀.  
[N.J. (A.N.S.P.), Conn.]

*Mesoleptus peregrinus* Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794).  
♂. [des., Que.]

*Mesoleptus peregrinus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.  
[key]

(Cryptinae) *peregrinus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

*Thysiotorus peregrinus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. [syn.,  
lectotype selection]

*Joppidium peregrinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
330. [des.]

*Panargyroptis thoracicus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 528. ♀.  
[o.d., Lawrence, Kans. (U.S.N.M.)]

*Panargyroptis peregrinus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 262.  
[key, syn.]

*Thysiotorus* (*Panargyroptis*) *peregrinus* Viereck, Canad. Ent., 1925, 57: 77.  
[key]

**Bathythrix pimplae** Howard

*Bathythrix pimplae* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5:  
31, 54. [o.d., host *d*, D.C. (U.S.N.M.)]

*Bathythrix pimplae* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host *b*,  
D.C.]

*Bathythrix pimplae* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 459. [host  
*c*, biol.]

*Hemiteles* (*Bathythrix*) *pimplae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 340. [key]

*Bathythrix pimplae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 458. [key]  
*Hemiteles pimplae* Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79-82. [key, fig.,  
 biol., host *a*, Mich.]

GYRINIDAE: *a*, *Gyrinus* sp. LYMANTRIIDAE: *b*, *Hemerocampa leucostigma*. ICHNEU-  
 MONIDAE: *c*, *Gambrus extrematis*; *d*, *?Iseropus coelebs*.

***Bathythrix subargentea* (Cresson) new combination**

*Cryptus subargenteus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 302. ♀. [o.d.,  
 Pa. (A.N.S.P.)]

*Exolytus sericeifrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d.,  
 Wash. (A.N.S.P.)] Preoccupied in *Bathythrix* by Provancher, 1879. New  
 synonymy.

*Thysiotorus (Panargyrops) seamansi* Viereck, Canad. Ent., 1925, 57: 77. ♀.  
 [o.d., Waterton, Alta. (C.N.C.), Que.] New synonymy.

***Bathythrix texana* (Ashmead) new combination**

*Stilpnus texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 397. ♀. [o.d.,  
 Tex. (U.S.N.M.)]

***Bathythrix triangularis* (Cresson) new combination**

*Mesoleptus triangularis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂.  
 [o.d., Ill. (A.N.S.P.)]

*Mesostenus pallipes* Provancher, Nat. Canad., 1875, 7: 264, 267. ♀. [key,  
 o.d., Que. (M.P.Q.)]

*Mesoleptus triangularis* Provancher, Nat. Canad., 1879, 11: 225; (Faune, p. 398).  
 [key, syn., des.]

*Mesoleptus triangularis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.  
 [key.]

(Cryptinae) *triangularis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

*Thysiotorus? smithi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 263. ♂, ♀.  
 [o.d., Coleta, Ala. (U.S.N.M.)]

*Thysiotorus smithi* Viereck, Canad. Ent., 1925, 57: 77. [key.]

*Thysiotorus smithi* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.,  
 Que.]

*Thysiotorus smithi* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Thysiotorus smithi* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]

*Thysiotorus smithi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 928. [host *b*, N.Y.]

*Thysiotorus triangularis* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 58. [syn.]

*Thysiotorus triangularis* Proper, Jour. Agr. Res., 1934, 48: 366. [host *a*.]

*Thysiotorus triangularis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 400.  
 [Me.]

*Thysiotorus triangularis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 396. [syn.]

BRACONIDAE: *a*, *Meteorus versicolor*. ICHNEUMONIDAE: *b*, *Phobocampe geometrae*.

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**ATOPOTROPHOS** Cushman \*

*Atopognathus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 116. Preoccupied by Bigot, 1881.

Genotype: *Atopognathus collaris* Cushman.

*Atopotrophos* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 365. [new name for *Atopognathus* Cushman]

**Atopotrophos collaris** Cushman

*Atopognathus collaris* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 117. ♂, ♀. [o.d., fig., Rosslyn, Va. (U.S.N.M.) Ala., D.C.]

*Atopognathus collaris* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

*Atopotrophos collaris* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 365. [syn.]

**AMYDRAULAX** Cushman

*Amydraulax* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4.

Genotype: *Amydraulax pulchra* Cushman.

**Amydraulax echthroides** new name

*Cryptus brevicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 67.

♀. [key, o.d., Bécancœur, Que. (M.P.Q.)] Preoccupied by Provancher, 1875.

*Cryptus brevicornis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Amydraulax pulchra** Cushman

*Amydraulax pulchra* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 5.

♀. [o.d., host a, Giant Forest, Calif. (U.S.N.M.)]

CERAMBYCIDAE: a, *Callidium sequoiarum*.

**MASTRUS** Foerster

*Aenoplex* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Aenoplex betulaecola* Ashmead) = *pilifrons* Provancher.

*Mastrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Mastrus neodiprioni* Viereck) = *argeae* Viereck.

*Isadelphus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: *Hemiteles inimicus* Gravenhorst.

*Zoophthorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

New synonymy.

Genotype: (*Hemiteles (Zoophthorus) nigricaniformis* Viereck) = *gigas* Provancher.

*Adiastola* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

New synonymy.

Genotype: *Adiastola americana* Howard.

\* Since these pages were set in type, this genus has been removed to the Thymarini, after *Hytrophanes* on page 125.



**Mastrus aciculatus** (Provancher)

*Hemiteles aciculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 60.

♂. [o.d., Ottawa, Ont. (M.P.Q.)]

*Hemiteles ashmeadii* Riley and Howard, Insect Life, 1890, 3: 153. [host, Calif.]

Host data erroneous according to Cushman, 1919. Nomen nudum.

*Hypocryptus vancouverensis* Harrington, Canad. Ent., 1894, 26: 248. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

*Hemiteles aciculatus* Davis, Canad. Ent., 1895, 27: 288. [des.]

*Phygadeuon phryganidia* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 207. ♀. [o.d., host, Alameda, Calif. (U.S.N.M.)] New synonymy. Host data erroneous according to Cushman, 1919.

*Hemichneumon vancouverensis* Harrington, Canad. Ent., 1897, 29: 43. [syn.]

(*Hemitelini*) *vancouverensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

*Aritranis vancouverensis* Dalla Torre, Cat. Hymen., 1902, 3: 614. [syn.]

*Aenoplex phryganideae* (!) Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524.

♂, ♀. [des., host c, Calif.]

*Aenoplex phryganideae* (!) Keifer and Jones, Monthly Bull. Calif. Dept. Agr., 1933, 22: 387. [host a, Calif.]

*Mastrus aciculatus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host b, Canada.]

GELECHIIDAE: a, *Anarsia lineatella*. GEOMETRIDAE: b, *Protoboarmia porcelaria*.  
ICHNEUMONIDAE: c, *Itopectis behrensi*.

**Mastrus albiscapus** (Ashmead) new combination

*Hemiteles albiscapus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♂.

[key, o.d., Tex. (U.S.N.M.)]

**Mastrus americanus** (Howard) new combination

*Adiastola americana* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 54. ♂, ♀. [o.d., host a, D.C. (U.S.N.M.)]

*Hemiteles columbiae* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 631. [new name for *Adiastola americana* Howard]

*Hemiteles* (*Adiastola*) *columbiae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]

ICHNEUMONIDAE: a, ?*Iseropus coelebs*.

**Mastrus argeae** (Viereck) new combination

*Phygadeuon* (*Aenoplex*) *argeae* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 405. ♀. [o.d., host b, Marietta, Ohio (U.S.N.M.)]

*Phygadeuon* (*Mastrus*) *neodiprioni* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 195. ♀. [o.d., host g, Crawford, Neb. (U.S.N.M.)] New synonymy.

*Phygadeuon* (*Mastrus*) *neodiprioni* Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 26, 29. [fig., host f, Neb.]

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- Aenoplex argeae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]  
*Mastrus neodiprioni* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]  
*Mastrus neodiprioni* Schedl, Canad. Ent., 1932, 64: 2. [host *a*, B.C.]  
*Mastrus neodiprioni* Hopping, Sci. Agr., 1934, 15: 21, 22. [B.C.]  
*Mastrus neodiprioni* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host *c*, N.B.]  
*Mastrus neodiprioni* Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16. [host *c e*, Me.]  
*Mastrus neodiprioni* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *d*, Ore.]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*. ARGIDAE: *b*, *Arge* sp. DIPRIONIDAE: *c*, *Diprion hercyniae*; *d*, *Neodiprion tsugae*; *e*, *Neodiprion* sp.; *f*, *Zadiprion grandis*; *g*, diprionid.

***Mastrus autumnalis* (Provancher) new combination**

- Atractodes autumnalis* Provancher, Nat. Canad., 1882, 13: 367; (Faune, p. 789).  
 ♂, ♀. [key, o.d., Que. (M.P.Q.)]

***Mastrus carpocapsae* (Cushman) new combination**

- Aenoplex carpocapsae* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 509. ♀.  
 [o.d., host *a*, Vienna, Va. (U.S.N.M.)]  
*Aenoplex carpocapsae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 461. ♂, ♀.  
 [key, des., host *c*, Ga.]  
*Aenoplex carpocapsae* Flanders, Pan-Pacific Ent., 1926, 2: 185. [host *a*, Calif.]  
*Aenoplex carpocapsae* Flanders, Pan-Pacific Ent., 1926, 3: 44-45. [biol., host *a*, Calif.]  
*Aenoplex carpocapsae* Quayle, Bull. Calif. Agr. Exp. Sta., 1926, 402: 18. [host *a*.]  
*Aenoplex carpocapsae* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, Pa.]  
*Aenoplex carpocapsae* Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 33. [host *a*, Del.]  
*Aenoplex carpocapsae* McClure, Ent. News, 1933, 44: 48-49. [biol.]  
*Aenoplex carpocapsae* McClure, Ann. Ent. Soc. Amer., 1933, 26: 345-347. [biol.]  
*Aenoplex carpocapsae* Haseman, Bull. Mo. Agr. Exp. Sta., 1936, 370: 52. [host *a*, Neb.]  
*Aenoplex carpocapsae* McClure, Nature Notes, 1937, 4: 38-40. [fig., biol., host *a*.]  
*Aenoplex carpocapsae* Wakeland, Bull. Ida. Agr. Exp. Sta., 1938, 225: 47. [liberation in Ida.]  
*Aenoplex carpocapsae* Cooper, Ann. Rpt. Univ. Ky. Agr. Exp. Sta., 1938, 51: 15. [host *a*, Ky.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*; *c*, *Laspeyresia caryana*.

**Mastrus caudatus** (Provancher) new combination

*Echthrus caudatus* Provancher, Nat. Canad., 1875, 7: 313. ♀. [o.d., Que. (M.P.Q.)]

*Hemiteles caudatus* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

*Hemiteles caudatus* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 781). [key]

*Aenoplex longicauda* Walley, Canad. Ent., 1934, 66: 240. ♀. [o.d., Merivale, Ont. (C.N.C.)] New synonymy.

**Mastrus compactus** (Ashmead) new combination

*Hemiteles compactus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 398. (♀). [o.d. in key, no locality given (U.S.N.M.)]

*Aenoplex compactus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 525. ♀. [des., host a]

SATURNIIDAE: a, *Callosamia promethea*.

**Mastrus cressoni** (Riley) new combination

*Hemiteles? cressoni* Riley, Ann. Rpt. Insects Mo., 1869, 1: 177. ♂. [o.d., fig., host a, Mo. (U.S.N.M.)]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

**Mastrus extensor** (Cushman) new combination

*Isadelphus extensor* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 527. ♀. [o.d., Palo Alto, Calif. (U.S.N.M.)]

**Mastrus hydrophilus** (Ashmead) new combination

*Hemiteles hydrophilus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., surface of ocean, 94 miles from N.S., lat. 42° 50' N., long. 67° 29' W. (U.S.N.M.)]

*Hemiteles hydrophilus* Taylor, Ent. Amer., 1929, 10: 39. [Mass., N.H.]

**Mastrus gigas** (Provancher) new combination

*Hemiteles gigas* Provancher, Addit. Faune Canada, Hymén., 1886, p. 59. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

*Platylabus gigas* Davis, Canad. Ent., 1895, 27: 288. [syn.]

*Platylabus giganticus* Dalla Torre, Cat. Hymen., 1902, 3: 783. [new name for *Hemiteles gigas* Provancher]

*Phygadeuon (Bachia?) tumidiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, Conn. (A.N.S.P.)] New synonymy.

*Hemiteles (Zoophthorus) nigricaniformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

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**Mastrus pilifrons** (Provancher) new combination

*Orthocentrus pilifrons* Provancher, Nat. Canad., 1879, 11: 279; (Faune, p. 434).

♂ (not ♀). [key, o.d., Que. (M.P.Q.)]

*Orthocentrus pilifrons* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [des.]

*Aenoplex betulaecola* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀.

[o.d., host *c*, Washington, D. C. (U.S.N.M.)] New synonymy.

*Orthocentrus pilifrons* Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♀. [key, des.]

*Acnoplrix* (!) *betulaecola* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

*Phygadeuon* (*Aenoplex*) *betulaecola* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 406. [syn.]

*Aenoplex plesiotypus* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 510. ♀. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

*Aenoplex betulaecola* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]

*Aenoplex plesiotypus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 460. [key, des., host *a*, Va., Wash.]

*Aenoplex plesiotypus* Newcomer and Whitcomb, Bull. U. S. Dept. Agr., 1924, 1235: 72. [host *a*, Wash.]

*Aenoplex plesiotypus* Flanders, Pan-Pacific Ent., 1926, 3: 44. [host *a*, Calif.]

*Aenoplex betulaecola* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, N.J., Pa.]

*Aenoplex betulaecola* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *b*, Ont.]

*Aenoplex betulaecola* Haeussler, Jour. Econ. Ent., 1930, 41: 376. [host *b*, N.J.]

*Aenoplex betulaecola* McConnell, Jour. Econ. Ent., 1932, 25: 368. [host *b*, Md.]

*Aenoplex betulaecola* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [host *b*, N.J.]

*Aenoplex betulaecola* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *b*, Mich.]

*Aenoplex betulaecola* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *b*, Md.]

*Aenoplex betulaecola* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 549. [syn.]

*Aenoplex betulaecola* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *b*, Ont.]

*Aenoplex betulaecola* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *b*, Ohio.]

*Aenoplex betulaecola* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*. PHALENIDAE: *c*, *Acronicta betulae*.

**Mastrus polychrosidis** (Cushman) new combination

*Aenoplex polychrosidis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 524. ♂, ♀.

[o.d., host *a*, North East, Pa. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Polychrosis viteana*.

**Mastrus smithii** (Packard) new combination

*Cryptus Smithii* Packard, Proc. Boston Soc. Nat. Hist., 1865, 9: 346. ♂, ♀.  
[o.d., host c, Norway, Me. (Harvard Univ.)]

*Echthrus rubripes* Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 803). ♀.  
[o.d., Que. (M.P.Q.)] New synonymy.

*Phaeogenes crassitelus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 41.  
♀. [key, o.d., Hull, Que. (M.P.Q.)] New synonymy.

*Hemiteles mucronatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 56.  
♂. [o.d., Ottawa, Ont. (M.P.Q.)]

*Echthrus rubripes* Harrington, Canad. Ent., 1893, 25: 32. [key]

*Hemiteles mucronatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 30: 104. [host f,  
Que.]

*Hemiteles crassitelus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Hemiteles mucronatus* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Hemiteles mucronatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host a,  
Que.]

*Aenoplex* sp. Newcomer, Bull. U. S. Dept. Agr., 1916, 265: 33. [host e, Wash.]

*Aenoplex nigrosoma* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 460. ♂, ♀.  
[key, o.d., host e, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

*Aenoplex smithi* Walley, Canad. Ent., 1937, 69: 115. [syn.]

*Aenoplex smithii* Marsh, Ecology 1937, 18: 110. [biol., host g, Ill.]

*Isadelphus smithii* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host  
b, Conn.]

*Aenoplex smithii* Beaulne, Nat. Canad., 1939, 66: 95. [host d, Que.]

GELECHIIDAE: a, *Trichotaphe levisella*. OLETHREUTIDAE: b, *Grapholitha molesta*.  
SATURNIIDAE: c, *Samia columbia*; d, *Telea polyphemus*. TENTHREDINIDAE: e, *Ametastegia glabrata*; f, *Macremphytus tarsatus*. ICHNEUMONIDAE: g, *Gambrus extrematis*.

**Mastrus subspinosus** (Provancher) new combination

*Phygadeuon subspinosus* Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune,  
p. 779). ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon subspinosus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Phygadeuon subspinosus* Provancher, Addit. Faune Canada, Hymén., 1886, p.  
49. [key]

*Phygadeuon subspinosus* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Phygadeuon subspinosus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]

**Mastrus virginienis** (Ashmead) new combination

*Hemiteles virginienis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀.  
[key, o.d., Va. (U.S.N.M.)]

**APOTEMNUS** Cushman

*Apotemnus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 359.

Genotype: *Apotemnus truncatus* Cushman.

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**Apotemnus truncatus** Cushman

*Apotemnus truncatus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 360. ♀.  
[o.d., fig., Corvallis, Ore. (U.S.N.M.)]

**OTACUSTES** Foerster

*Otacustes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: (*Otacustes atriceps* Ashmead) = *crassus chrysopae* Ashmead.

*Brachycephalus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

Preoccupied by Fitzinger, 1826, Hollard, 1857, and by Signoret, 1866.  
New synonymy.

Genotype: *Hemiteles aestivalis* Gravenhorst (by present designation. This is one of four species included by Roman, Arkiv för Zoologi 1924 17 A, no. 4: 14.)

*Brachycranium* Ashmead, Canad. Ent., 1900, 32: 368. New name for *Brachycephalus* Foerster.

*Chrysopoctonus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 518. New synonymy.

Genotype: (*Otacustes atriceps* Ashmead) = *crassus chrysopae* Ashmead.

**Otacustes bicolor** (Cushman) new combination

*Chrysopoctonus bicolor* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1.  
♂, ♀. [o.d., host *a*, Little River, Fla. (U.S.N.M.)]

CHRYSIDAE: *a*, *Chrysopa lateralis*.

**Otacustes crassus chrysopae** Ashmead

*Otacustes chrysopae* Ashmead, Insect Life, 1894, 7: 243. ♂. [o.d., host *a*, Utica, Miss. (U.S.N.M.)]

*Otacustes atriceps* Ashmead, Insect Life 1894, 7: 244. ♀. [o.d., host *a*, Utica, Miss. (U.S.N.M.)]

*Orthizema atriceps* McGregor, Canad. Ent., 1914, 46: 308. [host *b*, S.C.]

*Chrysopoctonus atriceps* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 518. [syn.]

*Chrysopoctonus chrysopae* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520. [syn.]

*Chrysopoctonus atriceps* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

*Chrysopoctonus chrysopae* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

*Chrysopoctonus atriceps* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Chrysopoctonus chrysopae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 548. [syn., Fla.]

*Chrysopoctonus chrysopae* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

CHRYSIDAE: *a*, *Chrysopa oculata*; *b*, *Chrysopa* sp.

**Otacustes crassus crassus** (Provancher) new combination

*Hemiteles crassus* Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783).

♂. [key, o.d., Que. (M.P.Q.)]

*Hemiteles crassus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Hemiteles rileyi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

*Hemiteles hemerobii* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♂. [key, o.d., host *a*, Grand Ledge, Mich. (U.S.N.M.)]

*Hemiteles hemerobiicola* (!) Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Mich.]

*Hemiteles euryptychiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♀. [o.d., host *g*, St. Louis, Mo. (U.S.N.M.)]

*Hemiteles crassus* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Hemiteles (Otacustes) cressoniformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♀). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Chrysopoctonus rileyi* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520. [syn., des., host *f*, Pa.]

*Chrysopoctonus rileyi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

*Chrysopoctonus rileyi* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

*Chrysopoctonus rileyi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Chrysopoctonus rileyi* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

*Chrysopoctonus rileyi* Putman, Canad. Jour. Res., 1937, 15, sect. D: 34. [host *b d e*, parasite *a*, Ont.]

*Chrysopoctonus rileyi* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 18. [host *c*, Canada]

*Hemiteles crassus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

HEMEROBIIDAE: *a*, *Hemerobius* sp. CHRYSOPIDAE: *b*, *Chrysopa carnea*; *c*, *Chrysopa harrisii*; *d*, *Chrysopa nigricornis*; *e*, *Chrysopa rufilabris*; *f*, *Chrysopa* sp. OLETHREUTIDAE: *g*, *Epiblema scudderiana*.

Parasite: ICHNEUMONIDAE: *a*, ?*Gelis tenellus*.

**Otacustes crassus patruelis** (Cushman) new combination

*Chrysopoctonus patruelis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 520. ♂, ♀. [o.d., host *b*, Alhambra, Calif. (U.S.N.M.)]

*Chrysopoctonus patruelis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 1. [key]

*Chrysopoctonus patruelis* Cole, Jour. Econ. Ent., 1933, 26: 862. [host *a*, Calif.]

CHRYSOPIDAE: *a*, *Chrysopa carnea*; *b*, *Chrysopa* sp.

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**ETHELURGUS** Foerster

*Ethelurgus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

Genotype: (*Hemiteles* (*Ethelurgus*) *lonicerae* Viereck) = *syrphicola* Ashmead.  
*Zamicrotoridea* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340.

New synonymy.

Genotype: (*Hemiteles* (*Zamicrotoridea*) *orbiformis* Viereck) = *syrphicola* Ashmead.

***Ethelurgus belfragi*** (Ashmead) new combination

*Hemiteles belfragi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 899. ♀. [key, o.d., Tex. (U.S.N.M.)]

***Ethelurgus syrphicola*** (Ashmead) new combination

*Hemiteles syrphicola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♂. [key, o.d., host a, Washington, D.C. (U.S.N.M.)]

*Hemiteles syrphicola* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Hemiteles* (*Ethelurgus*) *lonicerae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)], New synonymy.

*Hemiteles* (*Zamicrotoridea*) *orbiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♀). [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

*Zamicrotoridea syrphicola* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]

*Zamicrotoridea syrphicola* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99. [host b, Ill.]

*Ethelurgus lonicerae* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

SYRPHIDAE: a, *Allograpta obliqua*; b, *Syrphus rectus*.

**STIBOSCOPUS** Foerster

*Stiboscopus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Stiboscopus thoracicus* Ashmead.

***Stiboscopus brooksi*** Brooks

*Stiboscopus brooksi* Brooks, Bull. W. Va. Agr. Exp. Sta., 1906, 100: 240. [biol., host a, W. Va.] Nomen nudum.

*Stiboscopus brooksi* Brooks, Bull. U.S. Dept. Agr., 1918, 730: 14. ♀. [o.d., biol., host a, (near French Creek, W. Va.) (location of type unknown; authentic material is in U.S.N.M.)]

CURCULIONIDAE: a, *Craponius inaequalis*.



**ACROLYTA** Foerster

*Acrolyta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: (*Acrolyta empretiae* Ashmead) = *nigricapitata* Cook and Davis.

*Rhadinocera* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: (*Hemiteles (Rhadinocera) algonquinus* Viereck) = *nigricapitata* Cook and Davis.

***Acrolyta longicornis*** (Provancher) new combination

*Hemiteles longicornis* Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783).

♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles longicornis* Slosson, Ent. News, 1897, 8: 237. [N.H.]

***Acrolyta nigricapitata*** (Cook and Davis) new combination

*Hemiteles laticinctus* Riley and Howard, Insect Life, 1890, 3: 153. [host *b*, Conn.] Nomen nudum.

*Ischnocerus nigricapitatus* Cook and Davis, Bull. Mich. Agr. Exp. Sta., 1891, 73: 11. ♀. [o.d., fig., host? (Agricultural College, Mich.) (Mich. State College)]

*Acrolyta empretiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♀. [o.d., host *a*, Washington, D.C. (U.S.N.M.)] New synonymy.

*Hemiteles laticinctus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♂. [o.d., host *b*, New Haven, Conn. (U.S.N.M.)] New synonymy.

*Hemiteles (Rhadinocera) algonquinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Hemiteles laticinctus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 341. [key]

*Acrolyta empretiae* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 15. [biol., host *c*.]

LIMACODIDAE: *a*, *Sibine stimulea*. PHALAEINIDAE: *b*, *Cirphis unipuncta*. BRACONIDAE: *c*, *Apanteles melanoscelus*.

**ISDROMAS** Foerster

*Isdromas* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.

Genotype: (*Acrolyta aletiae* Ashmead) = *lycaenae* Howard.

*Daictimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 636. New synonymy.

Genotype: *Daictimorpha peruviana* Viereck.

***Isdromas alticola*** (Ashmead) new combination

*Hemiteles alticola* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

**Isdromas lycaenae** (Howard) new combination

*Hemiteles lycaenae* Howard, in Scudder: Butterflies of Eastern U.S. and Canada, 1889, 3: 1880. ♀. [key, o.d., ?Coalburg, W. Va., host *e* (U.S.N.M.)]

*Hemiteles bucculatricis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., host *b*, Washington, D.C. (U.S.N.M.)] New synonymy.

*Hemiteles gracilariae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 401. ♀. [key, o.d., host *c*, Kirkwood, Mo. (U.S.N.M.)] New synonymy.

*Orthopelma bedelliae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 415. ♂. [key, o.d., host *a*, St. Louis, ?Mo. (U.S.N.M.)] New synonymy.

*Acrolyta aletiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♂, ♀. [o.d., host *f*, St. Louis, Mo. and Selma, Ala. (U.S.N.M.)] New synonymy.

*Isdromas* (!) *aletiae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]

*Orthopelma bedelliae* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Hemiteles aletiae* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Sychnoporthus* (!) *tuckeri* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 315. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

*Sychnoporthus* (!) *tuckeri* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 183. [des., Kans.]

*Sychnoporthus tuckeri* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

*Hemiteles lycaenae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key]

*Acrolyta aletiae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

*Isdromas aletiae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

*Isdromas bucculatricis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

*Hemiteles gracilariae* Gould, Bull. W. Va. Agr. Exp. Sta., 1931, 246: 9. [host *d*, W. Va.]

*Acrolyta aletiae* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

*Hemiteles gracilariae* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *d*, W. Va.]

*Acrolyta aletiae* Steiner and Worthley, Bull. Pa. State Col. Agr. Exp. Sta., 1941, 406: 12. [host *d*, Pa.]

LYONETHIDAE: a, *Bedellia somnulentella*; b, *Bucculatrix* sp. on *Quercus* sp. GRACILARIIDAE: c, *Gracilaria packardella*. COLEOPHORIDAE: d, *Coleophora malivorella*. LYCAENIDAE: e, *Lycaenopsis pseudargiolus*. BRACONIDAE: f, *Apanteles aletiae*.

**Isdromas mesochori** (Ashmead) new combination

*Acrolyta mesochori* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀. [o.d., host *a*, Washington, D. C. (U.S.N.M.)]

*Acrolyta mesochori* Fulton, Ann. Ent. Soc. Amer., 1940, 33: 233. [host *a*, N.C.]

*Acrolyta mesochori* Brimley, Suppl. Insects of N.C., 1942, p. 30. [host *b*, N.C.]

BRACONIDAE: a, *Apanteles congregatus*; b, *Apanteles* sp.

**Isdromas piceiventris** (Harrington) new combination

*Hemiteles piceiventris* Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Victoria, B.C. (C.N.C.)]

**Isdromas washingtonensis** Cushman

*Stiboscopus washingtonensis* Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

*Hemiteles (Isdromas) washingtonensis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 14. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

*Isdromas washingtonensis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 401. [Me.]

**IDEMUM** Foerster

*Idemum* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

Genotype: *Hemiteles (Idemum) crassiformis* Viereck.

**Idemum crassiformis** Viereck

*Hemiteles (Idemum) crassiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. (♂). [o.d. in key, Colebrook, Conn. (Conn. Agr. Exp. Sta.)]

**ALEGINA** Foerster

*Alegina* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Algina* (!) *alaskensis* Ashmead) = *solitaria* Ashmead.

*Philonygmus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

New synonymy.

Genotype: (*Philonygmus* (!) *alaskensis* Ashmead) = *solitaria* Ashmead.

*Barydotira* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 178.

New synonymy.

Genotype: *Barydotira hammari* Viereck.

*Terpiphora* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.

Genotype: *Alegina alaskensis* (Ashmead) = *solitaria* Ashmead.

*Calliphururus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

New synonymy.

Genotype: *Calliphururus granulosus* Davis.

**Alegina annulata** (Ashmead) new combination

*Hemiteles annulatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., host *b*, Los Angeles, Calif. (U.S.N.M.)]

*Hemiteles annulatus* Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Calif.]

*Hemiteles annulatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *c d*, Mass.]

TINEIDAE: a, tineid. TORTRICIDAE: b, tortricid. CHALCIDIDAE: c, ?*Dimmockia incongruus*; d, ?*Pleurotropis albitarsis*.

***Alegina apantelis* (Cushman) new combination**

*Hemiteles apantelis* Cushman, Jour. Agr. Res., 1927, 34: 453. ♂, ♀. [o.d., host *a*, Rye, N.H. (U.S.N.M.)]

*Hemiteles apantelis* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 15. [biol., host *a*]

BRACONIDAE: a, *Apanteles melanoscelus*.

***Alegina columbiana* (Ashmead) new combination**

*Hemiteles columbianus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 402. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

COLEOPHORIDAE: a, *Coleophora* sp.

***Alegina glacialis* (Ashmead) new combination**

*Philonygus* (!) *glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 189. ♂. [o.d., Lowe Inlet, Alaska (U.S.N.M.)]

***Alegina granulosa* (Davis) new combination**

*Calliphyrurus granulatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂. [o.d., Ill. (A.N.S.P.)]

*Calliphyrurus granulatus* Nason, Ent. News, 1905, 16: 170. [Ill.]

***Alegina hammari* (Viereck) new combination**

*Barydotira hammari* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 584. ♀. [o.d., North East, Pa. (U.S.N.M.)]

***Alegina pinifoliae* (Cushman) new combination**

*Hemiteles pinifoliae* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 5. ♂, ♀. [o.d., host *a*, Lunenburg, Mass. (U.S.N.M.)]

GELECHIIDAE: a, *Exoteleia pinifoliella*.

***Alegina sessilis* (Provancher) new combination**

*Hemiteles sessilis* Provancher, Nat. Canad., 1874, 6: 334. ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles sessilis* Provancher, Nat. Canad., 1879, 11: 124; (Faune, p. 327). [key, des.]

*Hemiteles sessilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

**Alegina solitaria** (Ashmead) new combination

*Stiboscopus solitarius* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂.  
[key, o.d., Popof Is., Alaska (U.S.N.M.)]

*Algina* (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 188. ♂.  
[o.d., Popof Is., Alaska (U.S.N.M.)]

*Philonygus* (!) *alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 189. ♂.  
[o.d., Popof Is., Alaska (U.S.N.M.)]

*Ilapinastes incertus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. ♂. [o.d.,  
Popof Is., Alaska (U.S.N.M.)]

*Terpiphora alaskensis* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 144. [syn.]

*Bathymetis solitarius* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3.  
[syn.]

**Alegina testaceipes** (Cushman) new combination

*Adiostola testaceipes* Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

*Lymeon?* *testaceipes* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. ♀.  
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**CYRTOBASIS** Cushman

*Cyrtobasis* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114, 115.

Genotype: (*Cyrtobasis rogae* Cushman) = *bicarinata* Riley.

**Cyrtobasis bicarinata** (Riley) new combination

*Polysphincta bicarinata* Riley, Ann. Rpt. Insects Mo., 1871, 3: 71. ♂. [o.d.,  
host *a*, (U.S.N.M.)]

*Pimpla bicarinata* Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Ill.,  
Mo.]

*Cyrtobasis rogae* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 115. ♀. [o.d.,  
host *b*, Flagstaff Mt., Boulder, Colo. (U.S.N.M.), Ill., Kans.)] New  
synonymy.

PHALAEINIDAE: *a*, *Acronicta obliterata*. BRACONIDAE: *b*, *Rogas* sp.

**DIAGLYPTIDEA** Viereck

*Diaglyptidea* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 371.

Genotype: *Diaglyptidea roepkei* Viereck.

**Diaglyptidea lavoiei** (Provancher) new combination

*Phygadeuon Lavoiei* Provancher, Nat. Canad., 1882, 13: 333, 353; (Faune, p.  
776). ♀. [key, o.d., Douglastown, Que. (M.P.Q.)].

*Hemiteles pallipennis* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).  
♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon Lavoiei* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.  
[key]

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- Hemiteles pallipennis* Provancher, Nat. Canad., 1887, 16: 46. [Que.]  
*Cryptus lavoiei* Davis, Proc. Acad. Nat. Sci. Phila., 1894. p. 187. [syn.]  
*Hemiteles pallipennis* Nason, Ent. News, 1905, 16: 151. [Ill.]  
*Hemiteles pallipennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141.  
 [Me.]

### PHOBETES Foerster

- Allocota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.  
 Preoccupied by Motschoulsky, 1860.  
 Genotype: *Allocota confederatae* Ashmead.  
*Syneches* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.  
 Preoccupied by Walker, 1852.  
 Genotype: (*Hemiteles* ? *thyridopterygis* (!) Riley) = *thyridopteryx* Riley.  
*Diaglypta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.  
 New synonymy.  
 Genotype: *Diaglypta radiata* Ashmead.  
*Phobetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.  
 Genotype: (*Phobetes albinopennis* Davis) = *thyridopteryx* Riley.  
*Hymenosyneches* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. [new name for  
*Syneches* Foerster.]

#### **Phobetes confederatae** (Ashmead) new combination

- Allocota confederatae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 208. ♀.  
 [o.d., host *a*, St. Louis, Mo. (U.S.N.M.)]  
 PSYCHIDAE: *a*, *Eurukuttarus confederatus*.

#### **Phobetes conspicuus** (Cresson) new combination

- Hemiteles conspicuus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. ♀. [o.d.,  
 Bosque Co., Tex. (U.S.N.M.)]  
*Allocota conspicuus* Walley, Canad. Ent., 1941, 73: 165. [des.]

#### **Phobetes sheppardi** (Walley) new combination

- Allocota sheppardi* Walley, Canad. Ent., 1941, 73: 165. ♀. [o.d., host *a*,  
 Shawbridge, Que. (C.N.C.), Ont.]  
 PSYCHIDAE: *a*, *Hyaloscotes* sp.

#### **Phobetes thyridopteryx** (Riley) new combination

- Hemiteles?* *thyridopteryx* Riley, Ann. Rpt. Insects of Mo., 1869, 1: 150. ♂, ♀.  
 [o.d., fig., host *a*, St. Louis, Mo. (type lost)]  
*Hemiteles thyridopterigis* (!) Walsh, Canad. Ent., 1869, 2: 31. ♂, ♀. [des.]  
*Hemiteles?* *thyridopterigis* (!) Riley, Suppl. Ann. Rpt. Insects Mo., 1881, p. 65.  
 ♂, ♀. [copy of o.d., parasite *a*, D.C.]  
*Hemiteles thyridopterigis* (!) Howard, Proc. Ent. Soc. Wash., 1886, 1: 28.  
 [parasite *a*.]

- Hemiteles thyridopterigis* (!) Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Fla., Ga., Mo.]
- Hemiteles thyridopterigis* (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Hemiteles thyridopterigis* (!) Packard, Rpt. U. S. Dept. Agr., Ent. Comm., 1890, 5: 261. [biol., host *a*]
- Allocota thyridopterigis* (!) Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 17. [host *d*, D.C.]
- Phobetres albinopennis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♂. [o.d., S.D. (A.N.S.P.), Fla.]
- Syneches thyridopterygis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569 fig. [host *a*]
- Hemiteles thyridopterygis* (!) Howard, The Insect Book, 1902, plate 8, fig. 37.
- Allocota* (*Hemiteles*) *thyridopterigis* (!) Howard and Chittenden, Cir. U. S. Dept. Agr., 1908, 6: 97. [fig., biol., host *a*.]
- Allocota thyridopterigis* (!) Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *a*, Mo.]
- Phobetres albinopennis* Haseman, Bull. Mo. Agr. Exp. Sta., 1912, 104: 324. [host *a*]
- Hemiteles* (*Allocota*) *thyridopterygis* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [key, host *a c d e*.]
- Allocota thyridopterigis* (!) Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]
- Allocota thyridopterigis* (!) Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, Pa.]
- Allocota thyridopterygis* (!) Baerg, Bull. Ark. Agr. Exp. Sta., 1928, 224: 24. [host *a*, Ark.]
- Allocota thyridopterigis* (!) Montgomery, Canad. Ent., 1933, 65: 186. [host *a*, Ind.]
- Allocota thyridopterigis* (!) Daniel, Cox, and Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 635: 16. [host *b*, N.Y.]
- Allocota thyridopterigis* (!) Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *a*, N.J.]
- Hemiteles* (*Allocota*) *thyridopterigis* (!) Balduf, Proc. Ent. Soc. Wash., 1937, 39: 177. [fig., biol., host *a*, Ill., Tex.]
- Allocota thyridopterigis* (!) Comstock, Bull. So. Calif. Acad. Sci., 1937, 36: 23. [host *a*, Calif.]
- Hemiteles thyridopterygis* (!) Brimley, Insects of N.C., 1938, p. 406. [host ?*a*, N.C.]

PSYCHIDAE: *a*, *Thyridopteryx ephemeriformis*. OLETHREUTIDAE: *b*, *Grapholitha molesta*. LYMANTRIDAE: *c*, *Hemerocampa leucostigma*. ICHNEUMONIDAE: *d*, *Iseropus coelebs*; *e*, *Itoplectis conquisitor*.

Parasite: CHALCIDIDAE: *a*, chalcidid.

**HAPLASPIS** new genus

*Astomaspis* of authors, not of the genotype. The first species included in *Astomaspis* Foerster 1868, is *Astomaspis metathoracica* Ashmead, Proc. U. S. Nat. Mus., 1904, 28: 140. This species belongs in *Syrites* Tosquinet, 1903, so *Syrites* falls as a synonym of *Astomaspis* (new synonymy). The new genus *Haplaspis* may be distinguished from other genera of Hemitelini by the following combination of characters: Apical half of clypeus strongly impressed, forming almost a right angle with the basal half of the clypeus and giving an appearance as if the apical half of the clypeus had been squarely cut off; basal part of mandible swollen; apical 0.7 of flagellum of female incrassate, spindle-shaped; areolet open; nervellus not broken; epipleura narrow, those of the second tergite of the female about 5.0 as long as broad and separated from the tergite by the usual complete suture; ovipositor sheath about 0.3 as long as the abdomen; ovipositor similar to that of *Gelis*; male genitalia enlarged, the squama about 0.3 or more as long as the abdomen and with its apical part more or less elongate.

Genotype: *Hemiteles mandibularis* Provancher.

**Haplaspis maesticolor** (Roman) new combination

*Astomaspis maesticolor* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 8. ♀. [o.d., East Greenland (?Stockholm Mus.).]

**Haplaspis mandibularis** (Provancher) new combination

*Hemiteles mandibularis* Provancher, Nat. Canad., 1875, 7: 315. ♀. [o.d., Que. (MPQ)]

*Hemiteles mandibularis* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

*Hemiteles mandibularis* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

*Hemiteles mandibularis* Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Mo.]

*Hemiteles mandibularis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Stiboscopus mandibularis* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Hemiteles (Astomaspis) fulvipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 340. [Conn.] Misdetermined

*Astomaspis fulvipes* Bird, Canad. Ent., 1927, 59: 95. [host *e*.] Misdetermined

*Hemiteles fulvipes* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 14. [fig., biol., host *c*] Misdetermined

*Astomaspis nanus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [biol., host *d*, N.Y.] Misdetermined

*Astomaspis nanus* Montgomery, Canad. Ent., 1933, 65: 186. [host *b*, Ind.] Misdetermined

GRACILARIIDAE: *a*, *Gracilaria stigmatella*. LYMANTRIIDAE: *b*, *Hemerocampa leucostigma*. BRACONIDAE: *c*, *Apanteles melanoscelus*; *d*, *Apanteles* sp.; *e*, *Microplitis gortynae*.



**ANUROTROPUS** Cushman

*Anurotropus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 4.

Genotype: *Anurotropus minutus* Cushman.

**Anurotropus minutus** Cushman

*Anurotropus minutus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 5.

♂, ♀. [o.d., fig., Agricultural College, Mich. (U.S.N.M.), Ill.]

**GELIS** Thunberg

*Gelis* Thunberg, Nov. Act. Soc. Sci. Upsala, 1827, 9: 199.

Genotype: *Gelis acarorum* Linnaeus.

*Pezomachus* Gravenhorst, Ichneum. Europeae, 1829, 2: 867.

Genotype: *Mutilla acarorum* Linnaeus.

*Pezolochus* Foerster, Wiegmann's Arch. Naturg., 1850, 16, bd. 1: 71.

Genotype: *Pezolochus rufipes* Foerster.

*Hemimachus* Ratzeburg, Ichneum. Forstins., 1852, 3: 157.

Genotype: (*Hemimachus fasciatus* Ratzeburg) = *melanocephalus* Schrank.

*Chirotica* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.

New synonymy.

Genotype: *Chirotica inermis* Viereck.

*Aschistus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 177.

Genotype: (*Hemimachus variabilis* Ratzeburg) = *cursitans* Fabricius.

*Ilapinastes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 179.

New synonymy.

Genotype: *Hemiteles (Ilapinastes) davidsonii* Ashmead.

*Micromeson* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 114, 137. New synonymy.

Genotype: *Pezomachus (Micromeson) annulatus* Strickland.

*Myrmicomorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. New synonymy.

Genotype: *Pezomachus (Myrmicomorpha) perniciosa* Viereck.

*Leptogelis* Ceballos, Eos, 1925, 1: 155. New synonymy.

Genotype: *Gelis (Leptogelis) ariasi* Ceballos.

**Gelis aciculatus** (Strickland) new combination

*Pezomachus foersteri* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 69. ♀. [key, o.d., Austin, Tex. (Brues Coll.)] Preoccupied by Bridgman, 1886.

*Pezomachus aciculatus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus foersteri* Brues.]

**Gelis alogus** (Viereck) new combination

*Pezomachus alogus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 321. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)]

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**Gelis alternatus** (Cresson) new combination

*Pezomachus alternatus* Cresson, Canad. Ent., 1872, 4: 64. ♀. [o.d., Ill. (A.N.S.P.)]

*Pezomachus alternatus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]

**Gelis annulatus** (Strickland) new combination

*Pezomachus (Micromeson) annulatum* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. ♀. [key, o.d., Twining, Md. (Harvard Univ.)]

**Gelis apantelis** Cushman

*Gelis apantelis* Cushman, Jour. Agr. Res., 1927, 34: 454. ♂, ♀. [o.d., host *a*, Melrose Highlands, Mass. (U.S.N.M.)]

*Gelis apantelis* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

*Gelis apantelis* Proper, Jour. Agr. Res., 1934, 48: 365. [host *b*.]

BRACONIDAE: *a*, *Apanteles melanoscelus*; *b*, *Apanteles solitarius*.

**Gelis atratus** (Ashmead) new combination

*Pezolochus atratus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., host *a*, Colo. (U.S.N.M.)]

*Pezomachus utahensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 118. ♀. [key, o.d., Park City, Utah (U.S.N.M.)] New synonymy.

*Gelis utahensis* Swain, Ent. News, 1937, 48: 246. [host *b*, Colo.]

BRACONIDAE: *a*, *Apanteles* sp. ICHNEUMONIDAE: *b*, *Hyposoter pilosulus*.

**Gelis bicoloratus** (Cresson) new combination

*Mesoleptus bicoloratus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

(Hemitelini) *bicoloratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

**Gelis birkmani** (Brues) new combination

*Pezomachus Birkmani* Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. ♀. [key, o.d., Fedor, Lee Co., Tex. (Brues Coll.)]

*Pezomachus birkmani* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

**Gelis brevistylus** (Strickland) new combination

*Pezomachus brevistylus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 119. ♀. [key, o.d., Philadelphia, Pa. (U.S.N.M.)]

**Gelis bruesii** (Strickland)

*Pezomachus obesus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 71. ♀. [key, o.d., host *b*, Forest Hills, Boston, Mass. (Brues Coll.)] Preoccupied by Ashmead, 1902.

*Pezomachus bruesii* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus obesus* Brues]

*Gelis bruesi* Champlain, Psyche, 1922, 29: 98. [host *a*, Pa.]

GNAPHOSIDAE: *a*, gnaphosid eggs. MISCELLANEOUS: *b*, spider eggs.

**Gelis californicus** (Ashmead) new combination

*Pezomachus californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀.  
[o.d., Los Angeles, Calif. (U.S.N.M.)]

*Pezomachus californicus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

**Gelis canadensis** (Cresson) new combination

*Pezomachus canadensis* Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ont.  
(A.N.S.P.)]

*Pezomachus quebecensis* Provancher, Nat. Canad., 1875, 7: 330. ♀. [o.d.,  
Que. (M.P.Q.)]

*Pezomachus canadensis* Provancher, Nat. Canad., 1879, 11: 114; (Faune, p.  
347). ♀. [syn., des.]

*Pezomachus canadensis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

**Gelis cockerelli** (Brues) new combination

*Pezomachus cockerelli* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 68. ♀. [key,  
o.d., Florissant, Colo. (Brues Coll.)]

**Gelis coloradensis** (Strickland) new combination

*Pezomachus coloradensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 122. ♀.  
[o.d., Colo. (U.S.N.M.)]

**Gelis compactus** (Cresson) new combination

*Pezomachus compactus* Cresson, Canad. Ent., 1872, 6: 63. ♀. [o.d., Ill.  
(A.N.S.P.)]

*Pterocormus compactus* Cresson, Synops. Hymen. N. Amer., 1887, p. 199.  
[syn.]

*Ichneumon compactus* Dalla Torre, Cat. Hymen., 1902, 3: 878. [syn.]

**Gelis crassulus** (Brues) new combination

*Pezomachus crassulus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 123. ♀. [key,  
o.d., Austin, Tex. (Brues Coll.)]

*Pezomachus crassulus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

**Gelis davidsonii** (Ashmead) new combination

*Hemiteles davidsonii* Davidson, Ent. News, 1896, 7: 319. [host *a*, Calif.]

*Hemiteles (Ilapinastes) davidsonii* Ashmead, Ent. News, 1896, 7: 320. ♀.  
[o.d., host *a*, 6000 ft. in Bear Valley, Calif. (U.S.N.M.)]

MISCELLANEOUS: *a*, spider eggs.

**Gelis debilis** (Provancher) new combination

*Hemiteles debilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 59. ♂.  
[o.d., Ottawa, Ont. (C.N.C.)]

*Hemiteles debilis* Davis, Canad. Ent., 1895, 27: 288. [syn.]

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**Gelis delicatus** (Cresson) new combination

*Mesoleptus delicatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. ♂. [o.d., Bosque Co., Tex. (type lost; authentic specimen in U.S.N.M.)]  
(Hemitelini) *delicatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

**Gelis dispar** (Strickland)

*Pezomachus dispar* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 125. ♂, ♀.  
[key, o.d., host *a*, Twining, Md. (U.S.N.M.)]  
*Gelis dispar* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930.  
[N.Y.]

MISCELLANEOUS: *a*, spider eggs.

**Gelis delumbis** (Brues) new combination

*Pezomachus delumbis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 75. ♀. [key, o.d., Mount Constitution, San Juan Co., Wash. (Brues Coll.)]

**Gelis drassi** (Riley) new combination

*Hemiteles drassi* Riley, Proc. Ent. Soc. Wash., 1892, 2: 296. ♂. [o.d., host *a*, Columbus, Ohio (U.S.N.M.)]  
*Pezomachus homalommoides* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 294.  
♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans.)] New synonymy.  
*Pezomachus testaceicoxus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 322. ♂.  
[o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.  
GNAPHOSIDAE: *a*, eggs of gnaphosid.

**Gelis fenestralis** (Brues) new combination

*Pezomachus fenestralis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 71. ♂. [key, o.d., New Brunswick, N.J. (type lost?)]

**Gelis ferruginosus** (Strickland)

*Pezomachus insolens* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 74. ♀. [key, o.d., Mount Constitution, San Juan Co., Wash. (Brues Coll.)] Preoccupied by Foerster, 1850  
*Pezomachus ferruginosus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus insolens*, Brues.]  
*Gelis ferruginosus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]  
*Gelis ferruginosus* Hopping, Sci. Agr., 1934, 15: 21, 22. [B.C.]  
*Gelis ferruginosus* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.  
[biol., Ore.]

**Gelis foveatus** (Brues) new combination

*Pezomachus foveatus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 73. ♂. [key, o.d., Framingham, Mass. (Brues Coll.)]

**Gelis gelechia** (Ashmead) new combination

*Exolytus gelechia* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 397. ♂. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

GELECHIIDAE: *a*, "*Gelechia*" sp. on tuber of *Solanum tuberosum*.

**Gelis gracillimus** (Dalla Torre)

*Pezomachus gracilis* Cresson, Canad. Ent., 1872, 4: 63. ♀. [o.d., Pa. (A.N.S.P.).] Preoccupied by Foerster, 1850.

*Pezomachus gracillimus* Dalla Torre, Cat. Hymen., 1902, 3: 624. [new name for *Pezomachus gracilis* Cresson.]

*Pezomachus gracilis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Pezomachus angularis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 122. ♀. [key, o.d., Austin, Tex. (Brues Coll.)] New synonymy.

*Pezomachus angularis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

*Pezomachus cressonii* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [new name for *Pezomachus gracilis*, Cresson] Preoccupied by Dalla Torre, 1902.

*Gelis gracillimus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

**Gelis habilis** (Brues) new combination

*Pezomachus habilis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 72. ♀. [key, o.d., Woods Hole, Mass. (Brues Coll.)]

**Gelis inermis** (Viereck) new combination

*Chirotica inermis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

**Gelis insolitus** (Howard) new combination

*Pezomachus insolitus* Howard, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1897, 5: 33, 54. ♂. [o.d., host *a*, D.C. (U.S.N.M.)]

*Pezomachus insolitus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. [key]

LYMANTRIIDAE: *a*, *Hemerocampa leucostigma*.

**Gelis inutilis** Cushman

*Gelis inutilis* Cushman, Jour. Agr. Res., 1927, 34: 455. ♂, ♀. [o.d., host *a*, Easton, Mass. (U.S.N.M.)]

*Gelis inutilis* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

*Gelis inutilis* Proper, Jour. Agr. Res., 1934, 48: 362. [host *a*]

BRACONIDAE: *a*, *Apanteles melanoscelus*.

**Gelis keenii** (Harrington) new combination

*Pezomachus Keenii* Harrington, Canad. Ent., 1894, 26: 214. ♀. [o.d., Queen Charlotte Is., B.C. (C.N.C.)]

*Pezomachus keenii* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

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**Gelis kukakensis** (Ashmead) new combination

*Theroscopus kukakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 191. ♀.

[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

*Pezomachus kukakensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. [syn.]

**Gelis longipes** (Strickland) new combination

*Pezomachus longipes* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 123. ♀. [key, o.d., Stanford Univ., Calif. (Harvard Univ.)]

**Gelis longistylus** (Strickland) new combination

*Pezomachus longistylus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 120. ♀. [key, o.d., no locality given (U.S.N.M.)]

**Gelis lymensis** (Strickland)

*Pezomachus (Micromeson) lymense* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 138. ♀. [key, o.d., host *a*, Lyme, Conn. (Conn. Agr. Exp. Sta.)]

*Gelis (Micromeson) lymensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

GNAPHOSIDAE: *a*, gnaphosid eggs.

**Gelis macer** (Cresson)

*Pezomachus macer* Cresson, Canad. Ent., 1872, 4: 64. ♂. [o.d., Pa. (A.N.S.P.)]

*Pezomachus flavocinctus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀. [o.d., Tex. (U.S.N.M.)] New synonymy.

*Pezomachus macer* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]

*Pezomachus flavocinctus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Pezomachus flavocinctus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 129. ♂, ♀. [key, des., fig., host *b*, Md., N.Y.]

*Gelis macer* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

*Gelis flavicinctus* (!) Auten, Ann. Ent. Soc. Amer., 1925, 18: 243. [host *a*, Ohio.]

ARGIOPIDAE: *a*, *Araneus cornutus* nest. MISCELLANEOUS: *b*, spider eggs.

**Gelis maculatus** (Strickland) new combination

*Pezomachus maculatus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 121. ♀. [key, o.d., fig., Point Loma, San Diego, Calif. (Harvard Univ.)]

**Gelis manni** (Strickland) new combination

*Pezomachus manni* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 132. ♂. [key, o.d., Pacific Grove, Calif. (Brues Coll.)]

**Gelis meabilis** (Cresson) new combination

*Pezomachus meabilis* Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ill. (A.N.S.P.)]

*Pezomachus dimidiatus* Cresson, Canad. Ent., 1872 4: 63. ♀. [o.d., Mass. (A.N.S.P.), Ill.] New synonymy.

*Pezomachus meabilis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.Y.]

*Pezomachus dimidiatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

*Pezomachus dimidiatus* Slosson, Ent. News, 1902, 13: 320. [N.H.]

*Pezomachus meabilis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Pezomachus dimidiatus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Pezomachus similis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 127. ♂, ♀. [key, o.d., host *a*, Twining, Md. (U.S.N.M.)] New synonymy.

*Pezomachus nodosus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 128. ♀. [key, o.d., Lawrence, Kans. (U.S.N.M.)] New synonymy.

*Gelis dimidiatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

*Gelis meabilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Gelis dimidiatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Gelis similis* Jones, Trans. Ill. State Acad. Sci., 1940, 33: 216. [biol., host *a*, Ill.]

AGELENIDAE: *a*, eggs of *Agelena naevia*.

#### ***Gelis micariae* (Howard) new combination**

*Pezomachus micariae* Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. ♂, ♀. [o.d., host *a*, Salem, Mass. (U.S.N.M.)]

*Hemiteles micarivora* Riley, Proc. Ent. Soc. Wash., 1892, 2: 295. ♂. [o.d., host *a*, Washington, D.C. (U.S.N.M.)] New synonymy.

*Pezomachus micariae* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 121. [key]

CLUBIONIDAE: *a*, eggs of *Micaria* sp.

#### ***Gelis minimus* (Walsh)**

*Pezomachus minimus* Walsh, Trans. Ill. State Agr. Soc., 1861, 4: 463, 468. ♂, ♀., [o.d., fig., biol., host *a*, Rock Island Co. and Centralia, Ill. (U.S.N.M.)]

*Pezomachus minimus* Riley, Ann. Rpt. Insects of Mo., 1870, 2: 52. ♂, ♀. [des., fig., biol., host *a*, parasite *a*]

*Pezomachus minimus* Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., biol., host *a*.]

*Pezomachus minimus* Riley and Howard, Insect Life, 1890, 1: 154. [host *a*]

*Pezomachus minimus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Pezomachus minimus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]

*Gelis minimus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key, Conn.]

*Gelis minimus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *b*, Tex.]

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*Gelis minimus* Vickery, Jour. Agr. Res., 1926, 32: 1113. [host *b*, Tex.]

PHALAENIDAE: *a*, *Cirphis unipuncta*. BRACONIDAE: *b*, *Apanteles militaris*.

Parasite: CHALCIDIDAE: *a*, *Spilochalcis albifrons*.

***Gelis nigerrimus*** (Dalla Torre) new combination

*Pezomachus niger* Provancher, Addit. Faune Canada, Hymén., 1888, p. 362.

♀. [o.d., Los Angeles, Calif. (M.P.Q.).] Preoccupied by Brischke, 1878.

*Pezomachus nigerrimus* Dalla Torre, Cat. Hymen., 1902, 3: 630. [new name for *Pezomachus niger*, Provancher]

***Gelis nigriventris*** (Brues) new combination

*Pezomachus texanus* var. *nigriventris* Brues, Trans. Amer. Ent. Soc., 1903, 29:

122. ♀. [key, o.d., Austin, Tex. (Brues Coll.)]

***Gelis nigrofuscus*** (Strickland) new combination

*Pezomachus nigrofuscus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 133. ♂.

[key, o.d., Philadelphia, Pa. (U.S.N.M.)]

***Gelis nocuus*** Cushman

*Gelis nocuus* Cushman, Jour. Agr. Res., 1927, 34: 455. ♂, ♀. [o.d., host *a*, Shrewsbury, Mass. (U.S.N.M.)]

*Gelis nocuus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *a*]

BRACONIDAE: *a*, *Apanteles melanoscelus*.

***Gelis obesus*** (Ashmead) new combination

*Theroscopus rufipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 191. ♂, ♀.

[key, o.d., St. Paul Is., Alaska (U.S.N.M.).] Preoccupied in *Gelis* by Bridgman, 1883. New synonymy.

*Pezomachus obesus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 193. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Pezomachus obesus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

*Pezomachus obesus* Roman, Naturw. Unters. Sarekgebirges Swedish-Lappland, 1909, 4: 230. [des., fig., Sweden]

*Pezomachus auripes* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 134. ♂.

[key, o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Pezomachus insularis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 136. [des., new name for *Theroscopus rufipes*, Ashmead]

***Gelis obscurus*** (Cresson)

*Pezomachus obscurus* Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., N.J. (A.N.S.P.)]

*Pezolochus bucculatricis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 240. ♂, ♀.

[o.d., host *b*, Washington, D.C. (U.S.N.M.)] New synonymy.

*Pezomachus obscurus* Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. [host *i*, Ohio]



- Pezomachus obscurus* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 37. [host *j*, Ohio]
- Theroscopus americanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♂. [o.d., host *b*, Arlington, Va. (U.S.N.M.)] Not *Stilpnus americanus* Cresson.
- Hemiteles ashmeadii* Dalla Torre, Cat. Hymen., 1902, 3: 643. [new name for *Theroscopus americanus*, Ashmead]
- Pezomachus obscurus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key.]
- Pezomachus maculicollis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 121. ♀. [o.d., (?Tex.) (Brues Coll.) ?Mass.] New synonymy.
- Pezomachus maculicollis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. [des.]
- Pezomachus americanus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 137. [syn.]
- Gelis maculicollis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]
- Gelis obscurus* Champlain, Psyche, 1922, 29: 99. [des., host *h*, Pa.]
- Gelis bucculatricis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Gelis bucculatricis* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [fig., biol., host *f*]
- Gelis bucculatricis* Friend, Bull. Conn. Agr. Exp. Sta., 1927, 288: 449, 450. [biol., host *a*, Conn.]
- Gelis bucculatricis* Cushman, Jour. Agr. Res., 1927, 34: 456. ♂, ♀. [syn., des., host *f*, Kans. Ohio]
- Gelis bucculatricis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
- Gelis bucculatricis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
- Gelis bucculatricis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Gelis bucculatricis* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *c*, Me.]
- Gelis bucculatricis* Proper, Jour. Agr. Res., 1934, 48: 361, 362, 365. [host *e, f, g*]
- Gelis bucculatricis* Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *d*, Me.]

LYONETIDAE: *a*, *Bucculatrix canadensisella*; *b*, *Bucculatrix* sp. COLEOPHORIDAE: *c*, *Coleophora salmani*. TENTHREDINIDAE: *d*, *Phyllotoma nemorata*. BRACONIDAE: *e*, *Apanteles lacteicolor*; *f*, *Apanteles melanoscelus*; *g*, *Apanteles solitarius*. GNAPHOSIDAE: *h*, gnaphosid eggs. CLUBIONIDAE: *i*, eggs of *Micaria* sp. MISCELLANEOUS: *j*, spider eggs.

### *Gelis ottawaensis* (Harrington)

- Pezomachus ottawaensis* Harrington, Canad. Ent., 1896, 28: 77. ♀. [o.d., host *a*, Ottawa, Ont. (C.N.C.)]
- ?*Hemiteles ottawaensis* Harrington, Canad. Ent., 1896, 28: 78. ♂. [o.d., host *a*, Ottawa, Ont. (C.N.C.)] New synonymy.
- Pezomachus ottawaensis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 121. [key]
- Pezomachus ottawaensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 134. ♂. [des., host *b*, Conn., Pa.]

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*Gelis ottawaensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key, Conn.]

*Gelis ottawaensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

MISCELLANEOUS: a, eggs of *Micaria* sp. or *Zelotes* sp.; b, spider eggs.

***Gelis pallidus* (Ashmead) new combination**

*Hemiteles pallidus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [key, o.d., Tex. (type lost)]

***Gelis pennsylvanicus* (Strickland) new combination**

*Pezomachus pennsylvanicus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 126. ♀. [key, o.d., N. Cumberland, Pa. (U.S.N.M.)]

***Gelis perniciosus* (Viereck) new combination**

*Pezomachus (Myrmicomorpha) perniciosus* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. ♀. [o.d., host b, Brownsville, Tex. (U.S.N.M.)]

*Myrmicomorpha perniciosus* Vickery, Proc. U. S. Nat. Mus., 1925, 27: 139. [host a b c, Tex.]

BRACONIDAE: a, *Apanteles militaris*; b, *Meteorus laephygmae*; c, *Rogas laephygmae*.

***Gelis pettitii* (Cresson) new combination**

*Pezomachus Pettitii* Cresson, Canad. Ent., 1872, 4: 61. ♀. [o.d., Ont. (A.N.S.P.)]

*Pezomachus sulcatus* Provancher, Addit. Faune Canada Hymén., 1886, p. 77. ♀. [o.d., Ottawa, Ont. (C.N.C.)]

*Stibeautes pettitii* Riley and Howard, Insect Life, 1890, 3: 154. [host a, Va.]

*Pezomachus Pettitii* Davis, Canad. Ent., 1895, 27: 289. [syn., des.]

*Pezomachus Pettitii* Harrington, Canad. Ent., 1896, 28: 75. ♂, ♀. [syn., des., host b, Que.]

*Pezomachus pettitii* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Pezomachus pettitii* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

LYONETHIDAE: a, *Bucculatrix* sp. MISCELLANEOUS: b, spider eggs.

***Gelis popofensis* (Ashmead) new combination**

*Theroscopus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 192. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Gelis prosthesimae* (Riley) new combination**

*Hemiteles prosthesimae* Riley, Proc. Ent. Soc. Wash., 1892, 2: 294. ♂. [o.d., host a, Salem, Mass. (U.S.N.M.)]

GNAPHOSIDAE: a, eggs of *Zelotes ater*.

***Gelis pumilus* (Foerster) new combination**

*Pezomachus pumilus* Foerster, Wiegmann's Arch. f. Naturg., 1850, 16, pt. 1: 131. ♀. [key, o.d., Aachen, Germany (?Vienna Mus.)]

*Pezomachus alaskensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 421. ♀.  
[o.d., Nushagak River, Alaska (U.S.N.M.)]

*Pezomachus nigrellus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 192. ♂, ♀.  
[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Pezomachus nigrellus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119, 120. [key]

*Pezomachus alaskensis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

*Pezomachus pumilus* Roman, Naturw. Unters. Sarekgebirges Swedish-Lappland, 1909, 4: 232. [syn., des., Sweden]

*Pezomachus minutus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 119. ♀. [key,  
o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Gelis nigrellus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328.  
[key]

*Gelis nigrellus* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [Alaska]

***Gelis robustus* (Strickland) new combination**

*Pezomachus robustus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 120. ♀. [key,  
o.d., Tucson, Ariz. (U.S.N.M.)]

***Gelis rotundiceps* (Cresson) new combination**

*Mesoleptus? rotundiceps* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂.  
[o.d., Bosque Co., Tex. (U.S.N.M.)]

*Adelognathus rotundiceps* Davis, Trans. Amer. Ent. Soc., 1897, 24: 242. ♂.  
[des.]

***Gelis spiraculus* (Strickland) new combination**

*Pezomachus spiraculus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 124. ♀.  
[key, o.d., fig., Round Knob, N.C. (U.S.N.M.)]

*Gelis microplitidis* Gahan, Proc. U. S. Nat. Mus., 1922, 61: 5. ♂, ♀. [o.d.,  
host *a*, Rye, N.Y. (U.S.N.M.)] New synonymy.

*Gelis microplitidis* Bird, Canad. Ent., 1927, 59: 95. [host *a*.]

*Gelis microplitidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
930. [N.Y.]

BRACONIDAE: *a*, *Microplitis gortynae*.

***Gelis stanfordensis* (Strickland) new combination**

*Pezomachus stanfordensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 123. ♀.  
[key, o.d., Stanford, Calif. (Harvard Univ.)]

***Gelis stigmaterus* (Cresson) new combination**

*Mesoleptus? stigmaterus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂.  
[o.d., Bosque Co., Tex. (U.S.N.M.)]

(Hemitelini) *stigmaterus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

***Gelis stigmatus* (Ashmead) new combination**

*Hemiteles stigmatus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♂. [o.d.,  
West Cliff, Colo. (U.S.N.M.)]

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**G. stricklandi** new name

*Cremnoides californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 420. ♀. [o.d., Los Angeles, Calif. (U.S.N.M.)] Not *Pezomachus californicus* Ashmead, 1890.

*Hemiteles californicus* Dalla Torre, Cat. Hymen., 1902, 3: 644. [syn.]

*Pezomachus ashmeadii* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 135. [new name for *Cremnoides californicus* Ashmead] Not *Hemiteles ashmeadii* Dalla Torre, 1902.

**Gelis tantillus** (Cresson) new combination

*Pezomachus gentilis* Cresson, Canad. Ent., 1872, 4: 61. ♂, ♀. [o.d., host *b*, Pa. (A.N.S.P.)] Preoccupied by Foerster, 1850. New synonymy.

*Pezomachus tantillus* Cresson, Canad. Ent., 1872, 4: 62. ♀. [o.d., Ill. (A.N.S.P.)]

*Stibeutes gentilis* Riley and Howard, Insect Life, 1890, 1: 154. [host *a*]

*Pezomachus tantillus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569. [N.J.]

*Pezomachus cressonii* Dalla Torre, Cat. Hymen., 1902, 3: 621. [new name for *Pezomachus gentilis*, Cresson]

*Pezomachus tantillus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119. [key]

*Pezomachus gentilis* Brues, Trans. Amer. Ent. Soc., 1903, 29: 119, 121. [key]

*Gelis gentilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

PHALAENIDAE: *a*, *Cirphis unipuncta*. BRACONIDAE: *b*, ?*Microgaster* sp.

**Gelis tenellus** (Say) new combination

*Cryptus tenellus* Say, Boston Jour. Nat. Hist., 1836, 1: 233. (Leconte Ed., 2: 690.) ♀. [o.d., Pa. (type destroyed)]

*Hemiteles tenellus* Walsh, Canad. Ent., 1869, 2: 9, 12. [des.]

*Hemiteles nemativorus* Walsh, Canad. Ent., 1869, 2: 11. ♀. [o.d., Canada, Ill. (type lost)]

*Hemiteles nemativorus* var. *fuscatus* Walsh, Canad. Ent., 1869, 2: 12. ♀. [o.d., Ill. (type lost)] New synonymy.

*Hemiteles utilis* Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. ♀. o.d., host *r*, Conn. (Yale Univ.)]

*Hemiteles utilis* Cresson, Trans. Amer. Ent. Soc., 1870, 4: 161. [Tex.]

*Hemiteles depressus* Provancher, Nat. Canad., 1874, 6: 334. ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles utilis* Provancher, Nat. Canad., 1879, 11: 125; (Faune, p. 328). [key, syn., des.]

*Hemiteles utilis* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1879. [key, des., fig., host *p*]

*Hemiteles thyridopterygis* (!) Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [host *ff*, S.C.] Misdetermined.

*Hemiteles melitaeae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 399. ♀. [key, o.d., host *o*, Alameda, Calif. (U.S.N.M.)]

- Hemiteles coleophorae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀.  
[key, o.d., host *h*, Los Angeles, Calif. (U.S.N.M.)]
- Hemiteles variegatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀. [key,  
o.d., host *d*, Alameda, Calif. (U.S.N.M.)]
- Hemiteles variegatus* Webster, Insect Life, 1890, 2: 382. [host *k*]
- Hemiteles periliti* Riley and Howard, Insect Life, 1890, 3: 153. [host *w*, D.C.]  
Nomen nudum.
- Hemiteles utilis* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 43. [Ohio]
- Hemiteles utilis* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Otacustes orgyiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 209. ♀. [o.d.,  
host *l*, St. Louis, Mo. (U.S.N.M.)]
- Otacustes periliti* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 210. ♀. [o.d.,  
host *w*, Washington, D.C. (U.S.N.M.)]
- Hemiteles melitaeae* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
- Hemiteles utilis* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *ii*, *jj*,  
Mass.]
- Hemiteles tenellus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.  
[N.Y.]
- Hemiteles utilis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.  
[host *m*, N.J.]
- Hemiteles utilis* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Otacustes nigro-ornatus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 244. ♀.  
[o.d., San Mateo Co., Calif. (British Mus.)] New synonymy.
- Hemiteles periliti* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 459. [host  
*dd*, *ee*]
- Hemiteles utilis* Howard and Fiske, Bull. U. S. Dept., Agr., Bur. Ent., 1911, 91:  
138. [host ?*ff*]
- Hemiteles areator* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn.  
(in part)]
- Hemiteles utilis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host *kk*, Que.]
- Hemiteles utilis* Britton, Rpt. Conn. Agr. Exp. Sta., 1916, 15: 122. [host *q*,  
Conn.]
- Hemiteles utilis* Britton, Jour. Econ. Ent., 1916, 9: 282. [host *q*]
- Hemiteles* (*Orthizema*?) *areator tenellus* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 339. [key, Conn.]
- Hemiteles utilis* Britton and Zappe, Bull. Conn. Agr. Exp. Sta., 1918, 203: 283.  
[host *q*, Conn.]
- Otacustes periliti* Felt, Jour. Econ. Ent., 1918, 11: 386. [host *cc*, N.Y.]
- otacustes nigro-ornatus* Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23.  
[Calif.]
- Hemiteles tenellus* Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn.,  
Hawaii.]

- Hemiteles tenellus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [syn.]
- Hemiteles areator tenellus* Smith, Mem. Cornell Univ. Agr. Exp. Sta., 1922, 58: 1339. [host *b*, N.Y.]
- Hemiteles tenellus* Smith, Mem. Cornell Univ. Agr. Exp. Sta., 1922, 58: 1339. [host *c*, Va.]
- Hemiteles tenellus* Dustan, Proc. Acadian Ent. Soc., 1923, 8: 73-78. [des., histology, biol., host *gg*]
- Orthizema areator tenellus* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host *f*, Que.]
- Hemiteles tenellus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 12-14. [fig., biol., host *t*]
- Hemiteles tenellus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]
- Hemiteles tenellus* Bird, Canad. Ent., 1927, 59: 95. [host *bb*]
- Hemiteles tenellus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Hemiteles areator tenellus* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Hemiteles tenellus* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Hemiteles tenellus* Phipps, Bull. Me. Agr. Exp. Sta., 1928, 345: 47. [host *x*, Me.]
- Hemiteles tenellus* Salman, Ann. Ent. Soc. Amer., 1929, 22: 488. [host *g*, Me.]
- Hemiteles tenellus* Patterson, Tech. Bull. U. S. Dept., Agr., 1929, 137: 18. [biol., host *n*]
- Hemiteles tenellus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *ll*, N.J.]
- Hemiteles tenellus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Hemiteles tenellus* Gould, Bull. W. Va. Agr. Exp. Sta., 1931, 246: 9. [host *e*, W.Va.]
- Hemiteles tenellus* Proper, Jour. Agr. Res., 1934, 48: 361, 362, 365, 366, 367, 375. [biol., host *s t u z*]
- Hemiteles tenellus* Doner, Ann. Ent. Soc. Amer., 1934, 27: 441, 442. [biol., host *f aa*, Wis.]
- Hemiteles tenellus* Doner, Ann. Ent. Soc. Amer., 1936, 29: 228. [biol., host *f aa*, Wis.]
- Hemiteles tenellus* Gould, Jour. Econ. Ent., 1936, 29: 574. [host *e*, W.Va.]
- Hemiteles tenellus* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *j*, Ohio]
- Hemiteles tenellus* Swain, Ent. News, 1937, 48: 246. [host *v y ff*, Colo.]
- Hemiteles tenellus* Doner, Summ. Doctoral Diss. Univ. Wis., 1937, 1: 28. [host *f*, Wis.]
- Hemiteles tenellus* Putman, Canad. Jour. Res., 1937, 15, sect. D: 34. [host *hh*, Ont.]

- Hemiteles tenellus* Marsh, Ecology, 1937, 18: 108. [host *ee*]  
*Hemiteles tenellus* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 73. [host *j*, Ont.]  
*Hemiteles tenellus* Brimley, Insects of N.C., 1938, p. 406. [N.C.]  
*Hemiteles tenellus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]  
*Hemiteles tenellus* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *e*, W.Va.]  
*Hemiteles tenellus* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., Ore.]  
*Hemiteles tenellus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5, 15, 18. [host *a i mm*, Canada]

CHRYSIDAE: *a*, *Chrysopa harrisii*; *b*, *Chrysopa nigricornis*; *c*, *Chrysopa rufilabris*.  
 LYONETIDAE: *d*, *Bucculatrix* sp. on *Quercus agrifolia*. COLEOPHORIDAE: *e*, *Coleophora malivorella*; *f*, *Coleophora pruniella*; *g*, *Coleophora salmani*; *h*, *Coleophora* sp. on *Salix* sp.  
 TORTRICIDAE: *i*, *Peronea variana*. OLETHREUTIDAE: *j*, *Grapholitha molesta*. PHYCITIDAE: *k*, *Mineola indiginella*. LYMANTRIIDAE: *l*, *Hemerocampa leucostigma*. CITHERONIIDAE: *m*, *Anisota senatoria*. SATURNIIDAE: *n*, *Coloradia pandora*. NYMPHALIDAE: *o*, *Euphydryas chalcedon*. PAPILIONIDAE: *p*, ?*Papilio cresphontes*. DIPRIONIDAE: *q*, *Diprion similis*; *r*, *Neodiprion abietis*. BRACONIDAE: *s*, *Apanteles lacticolor*; *t*, *Apanteles melanoscclus*; *u*, *Apanteles solitarius*; *v*, *Meteorus acronyctae*; *w*, *Meteorus communis*?; *x*, *Meteorus datanae*; *y*, *Meteorus hyphantriae*; *z*, *Meteorus versicolor*; *aa*, *Microbracon pygmaeus*, *bb*, *Microplitis gortynae*. ICHNEUMONIDAE: *cc*, *Casitaria orgyiae*; *dd*, *Enicospilus americanus*; *ee*, *Gambrus extrematis*; *ff*, *Hyposoter fugitivus*; *gg*, *Hyposoter pilosulus*; *hh*, ?*Otiacustes crassus crassus*. CHALCIDIDAE: *ii*, ?*Dimmockia incongrua*; *jj*, ?*Pleurotropis albitarsis*. MISCELLANEOUS: *kk*, secondary on *Acronicta* sp.; *ll*, secondary on *Grapholitha molesta*; *mm*, secondary on *Neodiprion abietis*.

### ***Gelis terebrator* (Ratzeburg)**

- Pezomachus terebrator* Ratzeburg, Ichneum. d. Forstins., 1848, 2: 126. ♀. [o.d., host (Germany) (?Forstliche Hochschule, Eberswalde, Germany)]  
*Pezomachus terebrator* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 229. [host *a*, Greenland]  
*Gelis terebrator* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂. [des., Greenland]  
*Gelis terebrator* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [Greenland]  
*Gelis terebrator* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Greenland]

BRACONIDAE: *a*, *Microplitis coactus*.

### ***Gelis texanus* (Cresson) new combination**

- Pezomachus texanus* Cresson, Canad. Ent. 1872, 4: 64. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]  
*Pezomachus texanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. [Tex.]  
*Pezomachus texanus* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120, 122. [key, des., Tex.]

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*Pezomachus texanus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 76. [des.]

*Pezomachus* (*Micromeson*) *texanus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 116, 137. [key]

***Gelis thripites* (Taylor) \***

*Pezomachus Thripites* Taylor, Amer. Agr., 1860, 19: 300. ♀. [o.d., fig., host *a*, (no locality given) (location of type unknown)]

*Gelis thripites* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

MISCELLANEOUS: *a*, thrips.

***Gelis uniformis* (Dalla Torre)**

*Pezomachus unicolor* Cresson, Canad. Ent., 1872, 4: 64. ♀. [o.d., Del. (A.N.S.P.) Ill., Mass.] Preoccupied by Foerster, 1850.

*Pezomachus unicolor* Howard, Proc. Ent. Soc. Wash., 1892, 2: 294. [Mass.]

*Pezomachus uniformis* Dalla Torre, Cat. Hymen., 1902, 3: 635. [new name for *Pezomachus unicolor* Cresson]

*Pezomachus unicolor* Brues, Trans. Amer. Ent. Soc., 1903, 29: 120. [key]

*Gelis unicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328. [key]

*Gelis uniformis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [host *a*, N.Y.]

MISCELLANEOUS: *a*, spider eggs.

***Gelis urbanus* (Brues)**

*Pezomachus urbanus* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 70. ♂. [key, o.d., New York, N.Y. (Brues Coll.)]

*Gelis urbanus* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Gelis urbanus* Friend, Bull. Conn. Agr. Exp. Sta., 1927, 288: 449, 450. [biol., host *a*, Conn.]

*Gelis urbanus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 16. [biol., host *f*]

*Gelis urbanus* Cushman, Jour. Agr. Res., 1927, 34: 457. ♂, ♀. [des., host *f*]

*Gelis urbanus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Gelis urbanus* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *b*, Me.]

*Gelis urbanus* Proper, Jour. Agr. Res., 1934, 48: 362, 365, 366. [host *f g h*]

*Gelis urbanus* Pierson and Brower, Bull. Me. Forest Serv. and Me. Hardwood Ass., 1936, 11: 28. [host *e*, Me.]

*Gelis urbanus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 401. [host *c d e*, Me.]

LYONETHIDAE: *a*, *Bucculatrix canadensisella*. COLEOPHORIDAE: *b*, *Coleophora salmani*. OLETHREUTIDAE: *c*, *Anchylopera* sp. DIPRIONIDAE: *d*, *Diprion hercyniae*. TENTHREDINIDAE: *e*, *Phyllotoma nemorata*. BRACONIDAE: *f*, *Apanteles melanoscelus*; *g*, *Apanteles solitarius*; *h*, *Meteorus versicolor*.

\* This is evidently a *Gelis* but the species is unrecognizable and the host relation apparently fancied.



**Gelis wheeleri** (Brues) new combination

*Pezomachus Wheeleri* Brues, Trans. Amer. Ent. Soc., 1903, 29: 123. ♀. [key, o.d., Rockford, Ill. (Brues Coll.)]

*Pezomachus Wheeleri* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 76. [des.]

**Gelis yakutatensis** (Ashmead) new combination

*Atractodes yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♂. [o.d., Yakutat, Alaska (U.S.N.M.)]

**ARACHNOLETER** Cushman \*

*Arachnoleter* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 2.

Genotype: *Arachnoleter swezeyi* Cushman.

**MYERSIA** Viereck

*Myersia* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 575.

Genotype: *Myersia laminata* Viereck.

**Myersia bimaculata** (Ashmead) new combination

*Orthopelma bimaculatum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♂. [key, o.d., LaFayette, Ind. (U.S.N.M.)]

*Orthopelma bimaculatum* Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [Ind.]

**Myersia grandis** Cushman

*Myersia grandis* Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♀. [key, o.d., Kaslo, B.C. (U.S.N.M.)]

**Myersia laminata** Viereck

*Myersia laminata* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 576. ♀. [o.d., Plummers Is., Md. (U.S.N.M.)]

*Myersia pallida* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 522. ♀. [o.d., Fort George, Fla. (U.S.N.M.)] New synonymy.

*Myersia laminata* Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♂, ♀. [key, des., Ala., Md., N.Y., Va.]

*Myersia johnsoni* Cushman, Proc. Ent. Soc. Wash., 1921, 23: 110. ♀. [key, o.d., South West Harbor, Mt. Desert Is., Me. (U.S.N.M.)] New synonymy.

*Myersia harringtoni* Viereck, Canad. Ent., 1925, 57: 73. ♀. [o.d., Hull, Que. (C.N.C.)] New synonymy.

*Myersia johnsoni* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]

*Myersia laminata* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

**Myersia nigra** Viereck

*Myersia nigra* Viereck, Canad. Ent., 1925, 57: 73. ♂. [o.d., Keremeos, B.C. (C.N.C.)]

\* An undescribed Nearctic species of this genus is in the Townes Collection.

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**THAUMATOTYPIDEA** Viereck

*Thaumatotypidea* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 577.

Genotype: *Cremnodes tuberculatus* Ashmead.

***Thaumatotypidea canadensis*** (Harrington) new combination

*Cremnodes canadensis* Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Queen Charlotte Is., B.C. (C.N.C.)]

*Hemiteles canadensis* Dalla Torre, Cat. Hymen., 1902, 3: 644. [syn.]

*Thaumatotypus canadensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

***Thaumatotypidea koebelei*** Cushman

\**Thaumatotypidea koebelei* Cushman, Proc. Ent. Soc. Wash., 1921, 23: 112. ♂. [o.d., fig., Easton, Wash. (U.S.N.M.)]

***Thaumatotypidea spinulata*** (Strickland)

*Thaumatotypus spinulatus* Strickland, Ann. Ent., Soc. Amer., 1912, 5: 116. ♀. [o.d., fig., New Haven, Conn. (Conn. Agr., Exp. Sta.)]

*Thaumatotypidea spinulata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 238. [des.]

***Thaumatotypidea tuberculatus*** (Ashmead)

*Cremnodes tuberculatus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♀. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

*Cremnodes alaskensis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 211. ♀. [o.d., Fort Wrangel, Alaska (U.S.N.M.)] New synonymy.

*Hemiteles alaskensis* Dalla Torre, Cat. Hymen., 1902, 3: 641. [syn.]

*Hemiteles tuberculatus* Dalla Torre, Cat. Hymen., 1902, 3: 668. [syn.]

*Thaumatotypus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. [syn.]

*Thaumatotypidea tuberculatus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 577. [syn.]

*Thaumatotypus tuberculatus* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

*Thaumatotypus alaskensis* Strickland, Ann. Ent. Soc. Amer., 1912, 5: 115. [key]

**HEMITELES** Gravenhorst

*Hemiteles* Gravenhorst, Ichneum. Europeae, 1829, 2: 780.

Genotype: (*Hemiteles tristator* Gravenhorst) = *cingulator* Gravenhorst.

*Ocyomorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180. New synonymy.

Genotype: *Hemiteles cingulator* Gravenhorst. (By present designation. Foerster in his manuscript included this species in *Ocyomorus*.)

**Hemiteles bicornutus** Ashmead

*Hemiteles bicornutus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♂.  
[o.d., St. Louis, Mo. (U.S.N.M.)]

**Hemiteles cheboyganensis** Butcher

*Hemiteles cheboyganensis* Butcher, Ann. Ent. Soc. Amer., 1933, 26: 77, 79-82.  
[key, o.d., fig., biol., host *a*, Burt Lake, mouth of Maple River, Mich. (Univ. Kans.)]

GYRINIDAE: *a*, *Gyrinus* sp.

**Hemiteles humeralis** Provancher

*Hemiteles humeralis* Provancher, Nat. Canad., 1874, 6: 333. ♀. [key, o.d.,  
Que. (M.P.Q.)]

*Hemiteles humeralis* Provancher, Nat. Canad., 1879, 11: 124; (Faune, p. 327).  
[key, des.]

*Stilpnus appendiculatus* Provancher, Addit. Faune Canada, Hymen., 1886, p. 44.  
♂. [o.d., Ottawa, Ont. (C.N.C.)]

*Hemiteles humeralis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 398. [key]

*Hemiteles humeralis* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Hemiteles humeralis* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Hemiteles humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
929. [N.Y.]

*Hemiteles humeralis* Taylor, Ent. Amer., 1929, 10: 35, 70. [host *a*, "Stony  
Brook."]

*Hemiteles humeralis* Walley, Canad. Ent., 1937, 69: 115. [syn.]

CURCULIONIDAE: *a*, *Pissodes strobi*.

**Hemiteles hungerfordi** Cushman

*Hemiteles hungerfordi* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 4.  
♂, ♀. [o.d., host *a*, Burt Lake, mouth of Maple River, Mich. (U.S.N.M.)]

*Hemiteles hungerfordi* Butcher, Ann. Ent. Soc. Amer., 1933, 26: 79-82. [key,  
fig., biol., host *a*, Mich.]

GYRINIDAE: *a*, *Gyrinus* sp.

**Hemiteles mellicornis** Ashmead

*Hemiteles mellicornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀.  
[key, o.d., Washington, D.C. (U.S.N.M.)]

*Hemiteles mellicornis* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

**Hemiteles nigricans** Provancher

*Hemiteles nigricans* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).

♂. [key, o.d., Que. (M.P.Q.)]

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**GNYPETOMORPHA** Foerster

*Gnypetomorpha* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 173.

Genotype: *Hemiteles apertus* Thomson. (Designated by Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14.)

*Trisacra* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: *Hemiteles apertus* Thomson. (By present designation. Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14, synonymized *Trisacra* with *Gnypetomorpha* without definitely including species.)

*Microplex* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Aclastus rufipes* Ashmead.

*Aclastus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 175.

Genotype: *Aclastus rufipes* Ashmead.

**Gnypetomorpha flagellata** (Davis) new combination

*Proclitus flagellatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂. [o.d., Colo. (A.N.S.P.)]

**Gnypetomorpha gracilis** (Thomson)

*Hemiteles gracilis* Thomson, Opusc. Ent., 1884, 10: 989. ♂, ♀. [o.d., (?southern Sweden) (?Lund Mus.)]

*Hemiteles septentrionalis* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 228. [Greenland] Misdetermined.

*Aclastus gracilis* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 7. ♀. [des., Greenland]

*Gnypetomorpha gracilis* Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 14. [syn.]

**Gnypetomorpha karlukensis** (Ashmead) new combination

*Acrolyta karlukensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♀. [o.d., Karluk, Alaska (U.S.N.M.)]

**Gnypetomorpha nigrita** (Ashmead) new combination

*Stibentes nigrita* Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 338. ♀. [o.d., Copper Is. (U.S.N.M.)]

*Spinolia minuta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

**Gnypetomorpha rufipes** (Ashmead) new combination

*Stiboscopus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 171. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Acrolyta aciculata* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 186. ♂. [o.d., Alaska (U.S.N.M.)] New synonymy.

*Aclastus rufipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 187. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

**HEDYLUS** Foerster

*Hedylus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Hedylus crassicornis* Ashmead.

**Hedylus crassicornis** Ashmead

*Hedylus crassicornis* Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 339.

♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

**STERNOCRYPTUS** Roman

*Sternocryptus* Roman, Arkiv för Zoologi, 1925, 17 A, no. 4: 12.

Genotype: *Cryptus bitinctus* Gravenhorst.

**Sternocryptus bitinctus** (Gravenhorst)

*Cryptus bitinctus* Gravenhorst, Ichneum. Europeae, 1829, 2: 576. ♀. [o.d., several localities in Germany (?Breslau Mus.)]

*Sternocryptus bitinctus* Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 12. [des., biol., Sweden]

*Phygadeuon bitinctus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 400. [host *a*, Me.]

GELECHIIDAE: *a*, *Chrysopora* sp.

**Sternocryptus limatus** (Cresson) new combination

*Phygadeuon limatus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♀. [o.d., Calif. (A.N.S.P.)]

**Sternocryptus occidentalis** (Harrington) new combination

*Hemiteles occidentalis* Harrington, Canad. Ent., 1894, 26: 213. ♀. [o.d., Victoria, B.C. (C.N.C.)]

**Sternocryptus subspinosus** (Provancher) new combination

*Hemiteles subspinosus* Provancher, Nat. Canad., 1874, 6: 333. ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles subspinosus* Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326). [key, des.]

*Hemiteles subspinosus* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782). [key]

**ENDASYS** FoersterSubgenus **Endasys** Foerster

*Endasys* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: *Stylocryptus analis* Thomson.

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*Bachia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Preoccupied by Gray, 1845.

Genotype: *Phygadeuon* (*Bachia*) *testaceipes* Brischke.

*Stylocryptus* Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Phygadeuon brevis* Gravenhorst.

*Bachiana* Strand, Arch. Naturg., 1928, 92, A 8: 52. [new name for *Bachia* Foerster]

**Endasys (Endasys) auriculiferus** (Viereck) new combination

*Phygadeuon* (*Bachia*?) *auriculiferus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d., in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)]

**Endasys (Endasys) bicolor** (Lundbeck) new combination

*Phygadeuon bicolor* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 227. ♀. [o.d., Frederikabaab (ny Herrnhut) Greenland (Copenhagen Mus.)]

*Stylocryptus bicolor* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 4, 5. ♀. [des.]

*Stylocryptus bicolor* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 525. [syn., Greenland]

**Endasys (Endasys) maculatus** (Provancher) new combination

*Phygadeuon maculatus* Provancher, Nat. Canad., 1875, 7: 178, 182. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon maculatus* Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). ♀. [key, des.]

*Phygadeuon maculatus* Provancher, Nat. Canad., 1882, 13: 333, 353; (Faune, p. 775). ♂. [key, des.]

*Phygadeuon maculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

*Stylocryptus maculatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Stylocryptus maculatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

**Endasys (Endasys) montanus** (Cresson) new combination

*Phygadeuon montanus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 309. ♀. [o.d., Colo. (A.N.S.P.)]

*Phygadeuon montanus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

*Phygadeuon monticola* Dalla Torre, Cat. Hymen., 1902, 3: 689. [new name for *Phygadeuon montanus* Cresson]

**Endasys (Endasys) mucronatus** (Provancher) new combination

*Phygadeuon mucronatus* Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319). ♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)]

*Phygadeuon mucronatus* Provancher, Nat. Canad., 1882, 13: 334, 335, 353; (Faune, p. 775). ♂. [key, des.]

*Phygadeuon mucronatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46, 48, 49. [key]

*Phygadeuon mucronatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Melophron abdominalis* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Stylocryptus mucronatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 28. [syn.]

*Stylocryptus mucronatus* Gobeil, Nat. Canad., 1937, 64: 87. [host *a*, Que.]

ARGIDAE: *a*, *Arge macleayi*.

**Endasys (Endasys) paludicola** (Brues) new combination

*Oxytorus paludicola* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 50. ♂. [o.d., Florissant, Colo. (Milwaukee Public Mus.)]

**Endasys (Endasys) pubescens** (Provancher) new combination

*Cryptus pumilus* Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, des., Que.] Misdetermined.

*Phygadeuon pubescens* Provancher, Nat. Canad., 1874, 6: 282. ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon dubius* Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (type lost)]

*Alomya pulchra* Provancher, Nat. Canad., 1875, 7: 120. ♂. [o.d., Que. (M.P.Q.)]

*Phygadeuon dubius* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Phygadeuon pubescens* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Phygadeuon pubescens* Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). ♀. [key, syn., des.]

*Phygadeuon pallicoxus* Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon pubescens* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 775). [key]

*Phygadeuon pallicoxus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]

*Phygadeuon pubescens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]

*Phygadeuon pallicoxus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]

*Phygadeuon pubescens* Provancher, Nat. Canad., 1887, 16: 34. [Que.]

*Phygadeuon pubescens* Riley and Howard, Insect Life, 1890, 1: 153. [host *a*, D.C.]

*Phygadeuon pallidicoxus* Dalla Torre, Cat. Hymen., 1902, 3: 690. [emendation of *Phygadeuon pallicoxus* Provancher.]

*Phygadeuon pubescens* Johnson, Biol. Surv. Mt. Desert Region, 1: 142. [Me.]

*Stylocryptus pubescens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

*Stylocryptus pubescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

*Phygadeuon pallicoxus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

TENTHREDINIDAE: a, *Nematus tibialis*.

**Endasys (Endasys) rotundiceps** (Provancher) new combination

*Phygadeuon rotundiceps* Provancher, Nat. Canad., 1877, 9: 12. ♀. [o.d., Que. (M.P.Q.)]

*Phygadeuon rotundiceps* Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320). [key, des.]

*Phygadeuon rotundiceps* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774). [key]

*Phygadeuon rotundiceps* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

*Phygadeuon rotundiceps* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Phygadeuon rotundiceps* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Phygadeuon rotundiceps* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

**Endasys (Endasys) subclavatus** (Say) new combination

?*Cryptus subclavatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.] Nomen nudum.

*Cryptus subclavatus* Say, Boston Jour. Nat. Hist., 1836, 1: 237. (Leconte Ed., 2: 693.) ♀. [o.d., Ind., Pa. (type destroyed)]

*Phygadeuon vulgaris* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 310. ♀. [o.d., Ill. (A.N.S.P.) Del., Pa.]

*Ichneumon inflatus* Provancher, Nat. Canad., 1875, 7: 24, 83. ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon inflatus* Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). ♂, ♀. [key, des.]

*Phygadeuon inflatus* Provancher, Nat. Canad., 1882, 13: 334, 336; (Faune, p. 773, 775). [key]

*Phygadeuon vulgaris* Provancher, Nat. Canad., 1882, 13: 334, 354; (Faune, p. 776.) [key, des., Que.]

*Platylabus ruficornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 38. ♂, ♀. [o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Phygadeuon vulgaris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

*Phygadeuon inflatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47, 50. [key]



- Phygadeuon vulgaris* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892. [Ia.]
- Phygadeuon vulgaris* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Phygadeuon inflatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 348. [syn.]
- Phygadeuon vulgaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]
- Platylabus ruficornis* Bradley, Canad. Ent., 1903, 34: 282. [key]
- Phygadeuon vulgaris* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Phygadeuon inflatus* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Medophron monticola* Slosson, Ent. News, 1909, 11: 319 [N.H.]. Nomen nudum.
- Phygadeuon (Bathymetis) patulus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 193. ♂. [o.d., host e, Crawford, Neb. (U.S.N.M.)] New synonymy.
- Phygadeuon (Bathymetis) patulus* Swenk, Ann. Rpt. Neb. Agr. Exp. Sta., 1911, 24: 29. [host d, Neb.]
- Phygadeuon (Bachia?) brittoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d., in key, Stafford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Phygadeuon vulgaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, Conn.]
- Stylocryptus subclavatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn., des.]
- Stylocryptus subclavatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 28. [syn.]
- Stylocryptus vulgaris* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Phygadeuon inflatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]
- Stylocryptus subclavatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]
- Stylocryptus inflatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus subclavatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus vulgaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]
- Stylocryptus subclavatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]
- Stylocryptus subclavatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Que.]
- Stylocryptus subclavatus* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host a, N.B.]
- Stylocryptus subclavatus* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
- Stylocryptus vulgaris* Brimley, Insects of N.C., 1938, p. 406. [N.C.]
- Stylocryptus subclavatus* Pierson and Nash, Bull. Me. Forest Serv., 1940, 12: 16, 17. [host a c, Me.]
- Stylocryptus subclavatus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a, Canada]

*Stylocryptus subclavatus* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host b]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion tsugae*; c, *Neodiprion* sp.; d, *Zadiprion grandis*; e, diprionid.

**Endasys (Endasys) texanus** (Cresson) new combination

*Phygadeuon texanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

*Phygadeuon texanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]

Subgenus **Glyphicnemis** Foerster

*Glyphicnemis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

Genotype: *Phygadeuon vagabundus* Gravenhorst.

*Gnathocryptus* Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Phygadeuon vagabundus* Gravenhorst.

*Semiodes* Harrington, Canad. Ent., 1894, 26: 247. New synonymy.

Genotype: (*Semiodes seminiger* Harrington) = *mandibularis californicus* Cresson.

**Endasys (Glyphicnemis) mandibularis californicus** (Cresson) new combination

*Phygadeuon californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♂. [o.d., Calif. (A.N.S.P.)]

?*Phygadeuon crassipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♀. [des., B.C., Calif.] ?Misdetermined.

*Semiodes seminiger* Harrington, Canad. Ent., 1894, 26: 247. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

*Phygadeuon? seminiger* Harrington, Canad. Ent., 1897, 29: 43. [syn.]

**Endasys (Glyphicnemis) mandibularis mandibularis** (Cresson) new combination

*Phygadeuon mandibularis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 311. ♀. [o.d., Ill. (A.N.S.P.)]

*Ischnus ruficornis* Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon ruficornis* Provancher, Nat. Canad., 1875, 7: 179, 182. ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon crassipes* Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon crassipes* Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320). [key, des.]

*Phygadeuon ruficornis* Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 321). [key, des.]

*Phygadeuon crassipes* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

- Phygadeuon ruficornis* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775).  
[key]
- Phygadeuon crassipes* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Phygadeuon crassipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.  
[key]
- Phygadeuon ruficornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50.  
[key]
- Phygadeuon crassipes* Harrington, Canad. Ent., 1897, 29: 43. [des.]
- Phygadeuon ruficornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, Conn.]
- Phygadeuon crassipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]
- Glyphicnemis crassipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Phygadeuon ruficornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]
- Glyphicnemis crassipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

**ERIPLANUS** Foerster

- Chamerpes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.  
New synonymy.
- Genotype: *Hemiteles hemipterus* Gravenhorst.
- Eriplanus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 180.  
Genotype: (*Hemiteles (Eriplanus) metacomet* Viereck) = *micator* Gravenhorst.
- Phyrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.  
Genotype: *Hemiteles hemipterus* Gravenhorst.
- Aenoplegimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. New synonymy.
- Genotype: (*Aenoplegimorpha phytonomi* Viereck) = *micator* Gravenhorst.

**Eriplanus autumnalis** (Provancher) new combination

- Phygadeuon autumnalis* Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune, p. 779). ♂. [key, o.d., Que. (M.P.Q.)]
- Phygadeuon autumnalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49. [key]

**Eriplanus biannulatus** (Gravenhorst) new combination

- Hemiteles biannulatus* Gravenhorst, Ichneum. Europeae, 1829, 2: 846. ♀.  
[o.d., Vratistavia (?Breslau Mus.)]
- Philonymus biannulatus* Roman, Arkiv för Zoologi, 1924, 17 A, no. 4: 16.  
[syn., biol., France, Ill., Sweden]
- Hemiteles biannulatus* Mickel and Milliron, Ann. Ent. Soc. Amer., 1939, 42: 578-580. [des., biol., host *a*, Minn.]

LIMNAPHILIDAE: *a*, *Limnephilus indivisus*.

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**Eriplanus cushmani** (Butcher) new combination

*Hemiteles cushmani* Butcher, Ann. Ent. Soc. Amer., 1933, 26: 76, 79-82. ♂, ♀.  
[key, o.d., fig., biol., host *a*, Burt Lake, mouth of Maple River, Mich.  
(Univ. Kans.)]

GYRINIDAE: *a*, *Gyrinus* sp.

**Eriplanus intermedius** (Cresson) new combination

*Phygadeuon intermedius* Cresson, Trans. Amer. Ent. Soc., 1874, 4: 160. ♀.  
[o.d., Bosque Co., Tex. (A.N.S.P.)]

**Eriplanus micator** (Gravenhorst) new combination

*Ichneumon micator* Gravenhorst, Vergl. Uebers. Zool. System, 1807. ♀. [o.d.,  
(Europe) (?Breslau Mus.)]

*Hemiteles ruficoxus* Provancher, Nat. Canad., 1874, 6: 331. ♂, ♀. [key, o.d.,  
Que. (M.P.Q.)] New synonymy.

*Hemiteles ruficoxus* Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 325).  
[key, des.]

*Phygadeuon cornutus* Provancher, Nat. Canad., 1882, 13: 334, 356; (Faune, p.  
778). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Hemiteles ruficoxus* Provancher, Nat. Canad., 1882, 13: 360; (Faune, p. 782).  
[key]

*Phaeogenes recticornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 42.  
♂, ♀. [key, o.d., Bécancour, Que. (M.P.Q.)] New synonymy.

*Phygadeuon cornutus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46.  
[key]

*Cryptus recticornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Hemiteles cornutus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186.

*Aenoplegimorpha phytonomi* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147.  
♂. [o.d., host *a*, Hoytsville, Ut. (U.S.N.M.)]

*Aenoplegimorpha phytonomi* Webster, Bull. U. S. Dept. Agr., Bur. Ent., 1912,  
112: 34. [biol., host *a*, Ut.]

*Hemiteles (Eriplanus) metacomet* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 340. (♀). [o.d., in key, West Haven, Conn. (Conn. Agr. Exp.  
Sta.)] New synonymy.

*Aenoplegimorpha micator* Cushman, Proc. Ent. Soc. Wash., 1922, 24, no. 2: 64.  
[syn.]

*Hemiteles ruficoxus* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Hemiteles ruficoxus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141.  
[Me.]

*Hemiteles ruficoxus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
929. [N.Y.]

CURCULIONIDAE: *a*, *Hypera postica*.

**Eriplanus nigriceps** (Ashmead) new combination

*Hemiteles nigriceps* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 400. ♀.  
[key, o.d., Martinez, Calif. (U.S.N.M.)]

**Eriplanus pumilus** (Cresson) new combination

*Cryptus pumilus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 301. ♀. [o.d.,  
Del. (A.N.S.P.)]

*Phygadeuon pumilus* Slosson, Ent. News, 1898, 9: 253. [N.H.]

**Eriplanus rubricornis** (Ashmead) new combination

*Hemiteles rubricornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♀.  
[key, o.d., Va. (U.S.N.M.)]

?*Acnoplex* (!) *ruficornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
569. [N.J.]

**Eriplanus scapiphorus** (Provancher) new combination

*Atractodes scapiphorus* Provancher, Nat. Canad., 1874, 6: 151. ♂. [key,  
o.d., Que. (M.P.Q.)]

*Atractodes scapiphorus* Provancher, Nat. Canad., 1879, 11: 207; (Faune, p.  
379). ♂. [des.]

*Atractodes scapiphorus* Provancher, Nat. Canad., 1882, 13: 367; (Faune, p.  
789). [key]

**PHYGADEUON** Gravenhorst

*Phygadeuon* Gravenhorst, Ichneum. Europeae, 1829, 2: 635.

Genotype: *Phygadeuon flavimanus* Gravenhorst.

*Habromma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

New synonymy.

Genotype: (*Habromma nigrum* Ashmead) = *unicinctus* Ashmead.

*Ischresta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

New synonymy.

Genotype: *Ischresta unicinctus* Ashmead.

*Homelys* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Preoccupied by Meyer, 1844.

Genotype: *Phygadeuon lapponicus* Thomson.

*Plesignathus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Phygadeuon cephalotes* Gravenhorst.

*Zaphleges* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: *Phygadeuon leucostigmus* Gravenhorst.

*Ceratophygadeuon* Viereck, Canad. Ent., 1924, 56: 110.

Genotype: *Ceratophygadeuon taeniatum* Viereck.

**Phygadeuon aciculatus** Provancher

*Phygadeuon aciculatus* Provancher, Nat. Canad., 1882, 12: 336, 356; (Faune,  
p. 778). ♂. [key, o.d., Que. (M.P.Q.)]

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*Phygadeuon aciculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49.  
[key]

*Phygadeuon aciculatus* Provancher, Nat. Canad., 1887, 16: 46. [Que.]

*Phygadeuon aciculatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [des.]

***Phygadeuon albirictus* Cresson**

*Phygadeuon albirictus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 358. ♂.  
[o.d., Calif. (A.N.S.P.)]

***Phygadeuon americanus* (Cushman) new combination**

*Epitomus americanus* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

*Plesignathus americanus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 23. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

*Plesignathus americanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]

***Phygadeuon brevacus* new name**

*Platylabus aciculatus* (as *acilatus* p. 37) Provancher, Addit. Faune Canada, Hymén., 1886, p. 36, 37. ♀. [key, o.d., Hull, Que. (M.P.Q.)] Preoccupied in *Phygadeuon* by Provancher, 1882.

*Phygadeuon aciculatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Cryptus acilatus* Dalla Torre, Cat. Hymen., 1902, 3: 559. [syn.]

***Phygadeuon canadensis* (Provancher) new combination**

*Stilpnus Canadensis* Provancher, Nat. Canad., 1875, 7: 112. ♂. [o.d., Que. (M.P.Q.)]

*Stilpnus Canadensis* Provancher, Nat. Canad., 1879, 11: 42; (Faune, p. 311).  
[key, des.]

*Phygadeuon parallelus* Provancher, Nat. Canad., 1882, 13: 335, 355; (Faune, p. 777). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon parallelus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49.  
[key]

*Phygadeuon parallelus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Phygadeuon parallelus* Nason, Ent. News, 1905, 16: 150. [Ill.]

***Phygadeuon capitalis* Provancher**

*Phygadeuon capitalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 57.  
♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Phygadeuon capitalis* Davis, Canad. Ent., 1895, 27: 287. [des.]

***Phygadeuon caudatus* Provancher**

*Cryptus caudatus* Provancher, Nat. Canad., 1875, 7: 314. ♀. [o.d., Que. (M.P.Q.)]

*Phygadeuon caudatus* Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319).  
[key, des.]

*Phygadeuon caudatus* Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 773).  
[key]

*Phygadeuon caudatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.  
[key]

*Bathymetis bicolor* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 182. ♂, ♀.  
[key, o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.

*Phygadeuon caudatus* Nason, Ent. News, 1905, 16: 149. [Ill.]

***Phygadeuon cephalicus* Provancher**

*Phygadeuon cephalicus* Provancher, Nat. Canad., 1882, 13: 335, 354; (Faune, p. 777). ♂. [o.d., Que. (M.P.Q.)]

*Phygadeuon cephalicus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49.  
[key]

*Phygadeuon cephalicus* Provancher, Nat. Canad., 1887, 16: 34. [Que.]

*Phygadeuon cephalicus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

***Phygadeuon cincticornis* (Provancher) new combination**

*Platylabus cincticornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 38.  
♀. [key, o.d., Hull, Que. (M.P.Q.)]

*Cryptus cincticornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

***Phygadeuon coloradensis* (Ashmead) new combination**

*Nematomicros coloradensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 395. ♀.  
[o.d., Custer Co., Colo. (U.S.N.M.)]

***Phygadeuon cylindraceus* Ruthe**

*Phygadeuon cylindraceus* Ruthe, Stettin Ent. Ztg., 1859, 20: 367. ♂, ♀.  
[o.d., Iceland (location of type unknown)]

*Phygadeuon* sp. Lundbeck, Meddel. om Grønland, 1895, 19: 109. [Greenland]

*Phygadeuon cylindraceus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 22. [Faeroe Is., Greenland]

*Phygadeuon cylindraceus* Nielsen, Meddel. om Grønland, 1907, 39: 385. [biol., host a b, Faeroe Is., Greenland, Iceland, Sweden]

*Phygadeuon cylindraceus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 5. ♂, ♀.  
[des., Greenland, Sweden]

*Phygadeuon cylindraceus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 525. [syn., Greenland]

*Phygadeuon cylindraceus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 539.  
[Greenland]

ANTHOMYIIDAE: a, ?*Fucellia* sp. MISCELLANEOUS: b, dipterous pupa.

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**Phygadeuon epochrae** Viereck

*Phygadeuon (Plesignathus) epochrae* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. ♀. [o.d., host *a*, Bozeman, Mont. (U.S.N.M.)]

TEPHRITIDAE: *a*, *Epochra canadensis*.

**Phygadeuon exiguus** (Cresson) new combination

*Ichneumon exiguus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 182. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon exiguus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

*Phaeogenes exiguus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. ♀. [des.]

*Phaeogenes exiguus* Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Colo., Mo.]

*Phaeogenes exiguus* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Phaeogenes exiguus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

TORTRICIDAE: *a*, *Argyrotaenia velutinana*.

**Phygadeuon hudsonicus** (Cresson) new combination

*Stilpnus hudsonicus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂. [o.d., Hudson Bay Territory (A.N.S.P.)]

**Phygadeuon laticinctus** Ashmead

*Phygadeuon laticinctus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. [West Cliff, Colo. (U.S.N.M.)]

**Phygadeuon lechevallieri** Provancher

*Phygadeuon Lechevallieri* Provancher, Nat. Canad., 1882, 13: 334, 356; (Faune, p. 778). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon Lechevallieri* (!) Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

*Phygadeuon lechevallieri* Slosson, Ent. News, 1896, 7: 264. [N.H.]

**Phygadeuon lucens** Provancher

*Phygadeuon lucens* Provancher, Nat. Canad., 1874, 6: 281. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon lucens* Provancher, Nat. Canad., 1875, 7: 183. [key.]

*Phygadeuon lucens* Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). [key, des.]

*Phygadeuon lucens* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

*Phygadeuon lucens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

*Phygadeuon lucens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]

**Phygadeuon manitouensis** (Viereck) new combination

*Hemiteles (Diaglypta?) manitouensis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 290. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]



**Phygadeuon melanocerus** Viereck

*Phygadeuon (Plesignathus) melanocerus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, North Haven, Conn. (Conn. Agr. Exp. Sta.)]

**Phygadeuon mignaulti** Provancher

*Phygadeuon Mignaulti* Provancher, Nat. Canad., 1882, 13: 334, 355; (Faune, p. 777). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon Mignaulti* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

**Phygadeuon mitralis** (Provancher)

*Platylabus mitralis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 37. ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)]

*Phygadeuon mitralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]

**Phygadeuon montivagus** (Ashmead) new combination

*Phaeogenes montivagus* Ashmead, Proc. U. S. Nat. Mus., 1890, 13: 394. ♂. [o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

**Phygadeuon niger** (Ashmead) new combination

*Bachia nigra* Ashmead, Fur Seals and Fur Seal Is., 1899, 4: 340. ♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

*Bathymetis nigricornis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 177. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Bathymetis imitator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 177. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Bathymetis simulans* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 178. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Bathymetis rubrocincta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 178. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]

*Bathymetis simillima* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 179. ♂, ♀. [key, o.d., fig., Alaska (U.S.N.M.)]

*Bathymetis confusa* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 180. ♂, ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Bathymetis ungae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 180. ♂. [key, o.d., Unga, Alaska (U.S.N.M.)]

*Bathymetis quadriceps* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 181. ♂. [key, o.d., Alaska (U.S.N.M.)]

*Bathymetis simulator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 181. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Plesiognathus (!) rubrocinctus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [des., Pribilof Isls., Alaska]

*Stiboscopus mandibularis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)] Preoccupied by Slosson, 1896.

*Bachia nigra* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 185. [Alaska]

*Bathymetis nigrum* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3.  
[syn.]

*Plesignathus rubrocinctus* Viereck, N. Amer. Fauna, 1923, no. 46: 233. [syn.]

*Bathymetis simillima* Viereck, N. Amer. Fauna, 1923, no. 46: 233. [Alaska.]

**Phygadeuon nortoni** Viereck

*Phygadeuon (Plesignathus) nortoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, Conn. (A.N.S.P.)]

**Phygadeuon ovalis** Provancher

*Phygadeuon vulgaris* Provancher, Nat. Canad., 1874, 3: 281. [key, Que.]  
Mis-determined.

*Phygadeuon ovalis* Provancher, Nat. Canad., 1875, 7: 180, 183. ♂, ♀. [key,  
o.d., Que. (M.P.Q.)]

*Phygadeuon vulgaris* Provancher, Nat. Canad., 1875, 7: 182. [key.] Mis-  
determined.

*Phygadeuon ovalis* Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 317).  
[key, syn., des.]

*Phygadeuon ovalis* Provancher, Nat. Canad., 1882, 13: 334, 335; (Faune, p. 773,  
775). [key]

*Phygadeuon ovalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46, 49.  
[key]

*Phygadeuon ovalis* Provancher, Nat. Canad., 1887, 17: 76. [Que.]

*Phygadeuon ovalis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Phygadeuon ovalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

**Phygadeuon perditus** (Provancher) new combination

*Cryptus perditus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 73. ♂.  
[key, o.d., Ottawa, Ont. (C.N.C.)]

*Hemiteles perditus* Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

**Phygadeuon pusillus** (Cresson) new combination

*Cryptus pusillus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 302. ♀. [o.d., Ill.  
(A.N.S.P.)]

**Phygadeuon quintilis** Viereck

*Phygadeuon (Plesignathus) quintilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

**Phygadeuon rufipes** (Ashmead) new combination

*Aenoplex rufipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 188. ♂. [o.d.,  
Kodiak, Alaska (U.S.N.M.)]

*Aenoplex rufipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 459. [key]

**Phygadeuon sanctipauli** (Ashmead) new combination

*Stiboscopus sanctipauli* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 171. ♀.  
[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

**Phygadeuon scabrosus** (Provancher) new combination

*Hemiteles scabrosus* Provancher, Nat. Canad., 1874, 6: 332. ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles scabrosus* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

*Hemiteles scabrosus* Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781). [key]

**Phygadeuon slossonae** Cushman

*Bathymetis slossonae* Slosson, Ent. News, 1906, 17: 324. [N.H.] (*nomen nudum*)

*Phygadeuon slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 21. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Phygadeuon solidus** Lundbeck

*Phygadeuon solidus* Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897 p. 225. ♀. [o.d., Tassiusak, kun to Hunner, Greenland (Copenhagen Mus.)]

*Phygadeuon solidus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. ♀. [des.]

*Phygadeuon solidus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 526. [syn., Greenland]

**Phygadeuon subfuscus** Cresson

*Phygadeuon subfuscus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 311. ♀. [o.d., Ill. (A.N.S.P.)]

*Phygadeuon subfuscus* Provancher, Nat. Canad., 1874, 6: 281. ♂, ♀. [key, des., Que.]

*Phygadeuon subfuscus* Provancher, Nat. Canad., 1875, 7: 182. [key]

*Phygadeuon subfuscus* Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 316). [key, des.]

*Phygadeuon subfuscus* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

*Platylabus crassicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 37. ♀. [key, o.d., Hull, Que. (M.P.Q.)] New synonymy.

*Phygadeuon subfuscus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

*Phygadeuon subfuscus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Phygadeuon crassicornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Phygadeuon subfuscus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Phygadeuon subfuscus* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Phygadeuon subfuscus* Landis and Howard, Tech. Bull. U. S. Dept. Agr., 1940, 721: 7-9. [fig., biol., host a]

TACHINIDAE: a, *Paradexodes epilachnae*.

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**Phygadeuon taeniatus** (Viereck)

*Ceratophygadeuon taeniatus* Viereck, Canad. Ent., 1924, 56: 111. ♀. [o.d., Hull, Que. (C.N.C.)]

*Phygadeuon taeniatus* Roman, Ent. Tidskr., 1938, 59: 35. ♀. [syn., des., Canada, Sweden.] Reference not seen.

**Phygadeuon timidus** Cresson

*Phygadeuon timidus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 161. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

**Phygadeuon townsendi** (Ashmead) new combination

*Hemiteles townsendi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 405. ♂. [key, o.d., Mich. (U.S.N.M.)]

*Hemiteles townsendi* Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, D.C., Mich.]

*Hemiteles townsendi* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 31. [host *b*, D.C.]

MUSCIDAE: *a*, muscid puparium. TACHINIDAE: *b*, tachinid.

**Phygadeuon unicinctus** (Ashmead) new combination

*Habromma nigrum* Ashmead, Proc. Wash. Acad. Sci., 1902, 24: 188. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)] Preoccupied in *Phygadeuon* by Ashmead, 1899.

*Isochresta unicincta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 190. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Bathymetis unicincta* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 4. [syn.]

**Phygadeuon vernalis** (Brues) new combination

*Microcryptus (Theroscopus) vernalis* Brues, Bull. Wis. Nat. Hist. Soc., 1910, 8: 77. ♀. [o.d., Framingham, Mass. (Brues Coll.)]

**Phygadeuon victoriensis** new name

*Centeterus canadensis* Harrington, Canad. Ent., 1894, 20: 210. ♀. o.d., Victoria, B.C. (C.N.C.)] Preoccupied in *Phygadeuon* by Provancher, 1875.

**Phygadeuon yuasai** Bradley

*Phygadeuon (Stibeutes) yuasai* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 99. ♀. [o.d., Chicoree Woods, Ithaca, N.Y. (Cornell Univ.)]

**Phygadeuon zapotecus** Cresson

*Phygadeuon zapotecus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 140. ♂. [o.d., Orizaba, Mexico (A.N.S.P.)]

The following Nearctic material is in the Townes Collection: ♀, Murphy, Tenn. VIII-29-40, H. K. Townes; ♂, Philadelphia, Pa. VI-29-41, H. and M. Townes.

**ISELIX** \* Foerster

*Iselix* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Phygadeuon nitidus* Gravenhorst.

*Ischnocryptus* Kriechbaumer, Ent. Nachr., 1892, 18: 351.

Genotype: *Phygadeuon (Ischnocryptus) nitidus* Gravenhorst.

**CAENOMERIS** † Foerster

*Caenomeris* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174.

Genotype: *Xestophya nigripes* Ashmead (by present designation).

**Caenomeris nigripes** (Ashmead) new combination

*Xestophya polita* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 162. ♂, ♀.

[o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Xestophya nigripes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 163. ♂. [o.d.,

St. Paul Is., Alaska (U.S.N.M.)]

*Xestophyes nigripes* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.,

Pribilof Islands]

*Xestophyes polita* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

**STILPNUS** Gravenhorst

*Stilpnus* Gravenhorst, Ichneum. Europeae, 1829, 1: 664.

Genotype: *Stilpnus gagates* Gravenhorst.

*Polyrhembia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 189.

Genotype: *Hemiteles tenebricosus* Gravenhorst.

**Stilpnus americanus** Cresson

*Stilpnus americanus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂, ♀.

[o.d., N.J. (A.N.S.P.) N.Y., Pa.]

*Megastylus politus* Provancher, Nat. Canad., 1875, 7: 331. ♂. [o.d., Que.

(M.P.Q.)]

*Stilpnus americanus* Provancher, Nat. Canad., 1879, 11: 42; (Faune, p. 311).

[key, syn., des.]

*Hemiteles orbicularis* Provancher, Nat. Canad., 1879, 11: 123; (Faune, p. 326).

♂. [key, o.d., Cap Rouge, Que. (type lost)]

*Stilpnus Americanus* Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781).

[syn.]

*Stilpnus Americanus* Provancher, Nat. Canad., 1887, 16: 46. [Que.]

\* Nearctic members of this genus, which is doubtfully distinct from *Phygadeuon*, are in the Townes Collection.

† This genus is similar to *Stilpnus* except that the nervellus is unbroken and the clypeus has a single acute median tooth. In the smaller species the venation of the front wing is strongly retracted towards the base of the wing. Sometimes the propodeal area and the areola are separated by a distinct carina.

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*Stilpnus americanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Hemiteles americanus* Dalla Torre, Cat. Hymen., 1902, 3: 642. [syn.]

*Stilpnus americanus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Stilpnus americanus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]

*Stilpnus americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 341. [des., Conn.]

*Stilpnus americanus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928. [N.Y.]

*Stilpnus americanus* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

***Stilpnus anthomyidiperda* Viereck**

*Stilpnus anthomyidiperda* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. ♀. [o.d., host *a*, Clarksville, Tenn. (U.S.N.M.)]

ANTHOMYIIDAE: *a*, anthomyiid on *Nicotiana tabacum*.

***Stilpnus laevis* Provancher**

*Stilpnus laevis* Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 772). ♀. [o.d., Que. (M.P.Q.)]

**MESOLEPTUS** Gravenhorst

*Mesoleptus* Gravenhorst, Ichneum. Europeae, 1829, 2: 3.

Genotype: *Ichneumon laevigatus* Gravenhorst.

*Exolytus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1858, 15: 328.

Genotype: *Ichneumon laevigatus* Gravenhorst.

***Mesoleptus borealis* (Davis) new combination**

*Exolytus borealis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d., Hudson Bay Territory (A.N.S.P.)]

***Mesoleptus davisii* (Dalla Torre) new combination**

*Exolytus petiolaris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Thomson, 1884.

*Exolytus davisii* Dalla Torre, Cat. Hymen., 1902, 3: 727. [new name for *Exolytus petiolaris* Davis.]

***Mesoleptus declivus* (Provancher) new combination**

*Hemiteles declivus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 60.

♂, ♀. [o.d., Ottawa, Ont. (C.N.C.) Que.]

*Atractodes sepedontis* Ashmead, Bull. N.Y. State Mus., 1901, 47: 588. ♀. [o.d., host *a*, Adirondacks, N.Y. (U.S.N.M.)] New synonymy.

SCIOMYZIDAE: *a*, *Sepedon fuscipennis*.

***Mesoleptus glaucus* (Davis) new combination**

*Exolytus glaucus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂, ♀. [o.d., Mich. (A.N.S.P.) Ill., N.Y.]

**Mesoleptus ignotus** Cresson

*Mesoleptus? ignotus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 103. ♀.  
[o.d., W.Va. (A.N.S.P.)]

*Exolytus ignotus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

*Exolytus melanoscelis* DeGant, Proc. U. S. Nat. Mus., 1933, 83: 3. ♀. [o.d.,  
Hinckley, Ohio (U.S.N.M.)] New synonymy.

**Mesoleptus incompletus** (Provancher) new combination

*Pyracmon incompletum* Provancher, Addit. Faune Canada, Hymén., 1886, p.  
90. (♀). [o.d., Ottawa, Ont. (M.P.Q.)]

*Atractodes incompletus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Exolytus ithacae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 206. ♀. [o.d.,  
Ithaca, N.Y. (U.S.N.M.)] New synonymy.

**ATRACTODES** Gravenhorst

*Atractodes* Gravenhorst, Ichneum. Europeae, 1829, 3: 739.

Genotype: *Atractodes bicolor* Gravenhorst.

*Seleucus* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 111. New synonymy.

Genotype: *Seleucus cuneiformis* Holmgren.

*Asyncrita* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 29.

Genotype: *Atractodes foveolatus* Gravenhorst.

**Atractodes aciculatus** (Davis) new combination

*Exolytus aciculatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂, ♀.  
[o.d., N.Y. (A.N.S.P.) Ill., Mich.]

*Exolytus aciculatus* Nason, Ent. News, 1905, 16: 149. [Ill.]

**Atractodes alamagnus** (Davis) new combination

*Exolytus alamagnus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♂. [o.d.,  
Colo. (A.N.S.P.)]

**Atractodes alaskensis** (Ashmead) new combination

*Exolytus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♀. [key,  
o.d., Popof Is., Alaska (U.S.N.M.)]

**Atractodes ambiguus** Ruthe

*Atractodes ambiguus* Ruthe, Stettin. Ent. Ztg., 1859, 20: 377. ♀. [o.d.,  
Iceland (location of type unknown)]

*Exolytus ungae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♂, ♀. [key,  
o.d., Alaska (U.S.N.M.)] New synonymy.

*Exolytus insularis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♀. [key,  
o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Mesoleptus insularis* Brues, Canad. Arctic Exped. 1913-18, 1919, 3 G: 21.  
[Bernard Harbor, N.W. Terr.]

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**Atractodes americanus** (Ashmead)

*Ischnus americanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 394. ♀.  
[o.d., Kans. (U.S.N.M.)]

*Atractodes americanus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. [syn.]

**Atractodes ashmeadi** Cushman

*Asyncrita compressa* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

*Atractodes ashmeadi* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 6. ♀.  
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Atractodes aterrimus** Holmgren

*Atractodes aterrimus* Holmgren, Öfvers. Svensk. Vet.-Akad. Forh., 1872, 29, no. 6: 98. ♂. [o.d., North Greenland (?Stockholm Mus.)]

*Atractodes aterrimus* Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897, p. 238. [des., Greenland]

*Atractodes aterrimus* Nielsen, Meddel. om Grønland, 1907, 29: 388. [Greenland]

*Atractodes aterrimus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 9. ♂. [des., Greenland]

*Atractodes aterrimus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 540. [syn., Greenland, Novaja-Semlja]

*Atractodes aterrimus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [des., Greenland]

*Atractodes aterrimus* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. ♂, ♀.  
[des., Greenland]

**Atractodes bicolor arcticus** Holmgren

(*Atractodes bicolor* Gravenhorst, Ichneum. Europeae, 1829, 3: 791. ♀. [o.d., "circa Warmbrunn, in montis Schneeberg, et e Fennia" (Germany) (?Breslau Mus.)])

*Atractodes arcticus* Holmgren, Öfvers. Svensk. Vet.-Akad. Forh., 1872, 29, no. 6: 99. ♂. [o.d., North Greenland (?Stockholm Mus.)]

*Atractodes arcticus* Lundbeck, Vidensk. Medd. Nat. For., København, (1896), 1897, p. 239. [des., Greenland]

*Atractodes bicolor* var. *arcticus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂. [des., Greenland]

*Atractodes bicolor* var. *arcticus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 540. [syn., Greenland, northern Europe]

*Atractodes bicolor arcticus* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. [des., Greenland]

**Atractodes brevissimus** (Dalla Torre) new combination

*Exolytus brevis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d., Mich. (A.N.S.P.), Ill., N.H.] Preoccupied by Foerster, 1876.



*Exolytus brevissimus* DallaTorre, Cat. Hymen., 1902, 3: 727. [new name for *Exolytus brevis* Davis]

*Exolytus brevis* Slosson, Ent. News, 1902, 13: 320. [N.H.]

**Atractodes compressus** (Cresson)

*Stilpnus? compressus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 260. ♂. [o.d., Colo. (A.N.S.P.)]

*Asyncrita compressus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Atractodes compressus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 6. [syn.]

*Atractodes compressa* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

**Atractodes cultus** (Davis) new combination

*Exolytus cultus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 355. ♀. [o.d., Colo. (A.N.S.P.) Ill.]

*Exolytus cultus* Nason, Ent. News, 1905, 16: 149. [Ill.]

**Atractodes dakotaensis** (Davis) new combination

*Exolytus dakotaensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂. [o.d., S.D. (A.N.S.P.)]

**Atractodes fatuus** new name

*Phygadeuon polita* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] Preoccupied in *Atractodes* by Provancher, 1874.

*Polyrhembia polita* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

**Atractodes gillettei** (Ashmead) new combination

*Seleucus gillettei* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 206. ♂. [o.d., Fort Collins, Colo. (U.S.N.M.)]

**Atractodes grandis** Cushman

*Exolytus grandis* Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

*Atractodes grandis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 7. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Atractodes kincaidi** (Ashmead) new combination

*Exolytus sanctipauli* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. ♀. [key, o.d., Alaska (U.S.N.M.)] New synonymy.

*Exolytus kincaidi* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 167. ♀. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Mesoleptus kincaidi* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

*Polyrhembia sanctipauli* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [Alaska.]

**Atractodes laphroscopoides** (Viereck) new combination

*Hemiteles (Diaglypta?) laphroscopoides* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 294. ♂. [Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

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**Atractodes niger** (Ashmead) new combination

*Exolytus niger* Ashmead, Fur Seals and Fur Seal Islands, 1899, 4: 338. ♀. [o.d., Bering Islands and Pribilof Islands, Alaska (U.S.N.M.)]

*Exolytus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. ♂, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Exolytus niger* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 166. [key, Alaska.]

*Mesoleptus niger*, Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

**Atractodes nigricoxus** Provancher

*Atractodes nigricoxus* Provancher, Nat. Canad., 1882, 13: 368; (Faune, p. 790).

♂. [key, o.d., Que. (M.P.Q.)]

*Atractodes nigricoxus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Atractodes nigricoxatus* Dalla Torre, Cat. Hymen., 1902, 3: 722. [new name for

*Atractodes nigricoxus* Provancher]

**Atractodes pacificus** new name

*Angitia Americana* Harrington, Canad. Ent., 1894, 26: 246. ♀. [o.d., Victoria, B.C. (C.N.C.)] Preoccupied in *Atractodes* by Ashmead, 1890.

*Seleucus americana* Walley, Canad. Ent., 1929, 61: 193. [syn.]

**Atractodes perplexus** (Ashmead).

*Exolytus perplexus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 165. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

*Mesoleptus perplexus* Viereck, N. Amer. Fauna, 1923, no. 46: 232. [syn.]

**Atractodes politus** (Provancher) new combination

*Campoplex politus* Provancher, Nat. Canad., 1874, 6: 144. ♀. [key, o.d., Que. (M.P.Q.)]

*Exolytus politus* Provancher, Nat. Canad., 1879, 11: 208; (Faune, p. 380). ♀. [des.]

*Exolytus politus* Provancher, Nat. Canad., 1882, 13: 368; (Faune, p. 790). ♀. [des.]

**Atractodes rufiventris** (Ashmead) new combination

*Seleucus rufiventris* Ashmead, Trans. Amer. Ent. Soc., 1898, 24: 207. ♀. [o.d., Agricultural College, Mich. (U.S.N.M.)]

*Seleucus rufiventris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

**Atractodes seldoviae** (Ashmead) new combination

*Exolytus seldoviae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♂. [key, o.d., Seldovia, Alaska (U.S.N.M.)]

**Atractodes serpedontus** Cushman

*Atractodes serpedontes* Slosson, Ent. News, 1902, 13: 5. [N.H.] (*nomen nudum*)

*Atractodes serpedontus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 7.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Atractodes tenebricosus** (Gravenhorst)

*Hemiteles tenebricosus* Gravenhorst, Ichneum. Europeae, 1829, 2: 785. ♂.

[o.d., "circa Warmbrunn, e Volhynia" (Germany) (?Breslau Mus.)]

*Atractodes tenebricosus* Ruthe, Stettin. Ent. Ztg., 1859, 20: 376. [des., Iceland.]

*Atractodes tenebricosus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 239. [Greenland]

*Atractodes tenebricosus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 8. ♂, ♀. [des., Greenland]

**Atractodes ungensis** (Ashmead) new combination

*Exolytus ungensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♀. [key, o.d., Unga, Alaska (U.S.N.M.)]

*Exolytus rubrocinctus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 169. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

## Subfamily 3. CRYPTINAE

## Tribe 2. APTESINI

**CUBOCEPHALUS** Ratzeburg

*Cubocephalus* Ratzeburg, Ichneum. Forstins., 1848, 2: 121.

Genotype: (*Cryptus fortipes* Gravenhorst) = *distinctor* Thunberg.

*Ecporthetor* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

New synonymy.

Genotype: (*Phygadeuon fortipes* Gravenhorst) = *distinctor* Thunberg.

*Pammachus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.

New synonymy.

Genotype: *Stenocryptus nigriventris* Thomson.

*Microcryptus* Thomson, Opusc. Ent., 1873, 5: 520. New synonymy.

Genotype: *Cryptus erythrinus* Gravenhorst.

*Cratocryptus* Thomson, Opusc. Ent., 1873, 5: 520, 521. New synonymy.

Genotype: *Cryptus furcator* Gravenhorst.

*Stenocryptus* Thomson, Opusc. Ent., 1873, 5: 320.

Genotype: *Stenocryptus nigriventris* Thomson.

**Cubocephalus alacris** (Cresson) new combination

*Cryptus alacris* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 306. ♀. [o.d., Ill. (A.N.S.P.) Del.]

*Mesostenus nigricornis* Provancher, Nat. Canad., 1875, 7: 264, 267. ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon alacris* Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 316). [key, syn., des. (in part)]

*Cryptus eburneifrons* Provancher, Nat. Canad., May, 1879, 11: 133; (Faune, p. 332). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

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- Mesostenus collinus* Provancher, Nat. Canad., June, 1879, 11: 111; (Faune, p. 344). ♂. [key, o.d., fig., Que. (type lost)]
- Echthrus nigricornis* Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 486). [key, des.]
- Phygadeuon alacris* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 774). [key]
- Cryptus eburneifrons* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785). [syn.]
- Echthrus nigricornis* Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 803). ♀. [des.]
- Phygadeuon alacris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]
- Cryptus eburneifrons* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]
- Cryptus mellipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]
- Echthrus nigricornis* Harrington, Canad. Ent., 1893, 25: 32. [key]
- Cryptus? nigricornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
- Cryptus alacris* Davis, Canad. Ent., 1895, 27: 288. [syn.]
- Phygadeuon alacris* Slosson, Ent. News 1897, 8: 237. [N.H.]
- Cryptus Lavogleri* Dalla Torre, Cat. Hymen., 1902, 3: 566. [new name for *Mesostenus nigricornis* Provancher]
- Cryptus collinus* Dalla Torre, Cat. Hymen., 1902, 3: 567. [syn.]
- Cryptus alacris* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Cryptus lavogleri* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
- Agrothereutes alacris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key, des., Conn.]
- Pezoporus nigricornis* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]
- Cryptus alacris* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host a, Mich.]
- Aptesis alacris* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]
- Cryptus eburneifrons* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]
- OLETHREUTIDAE: a, *Grapholitha molesta*.
- Cubocephalus annectus** new name
- Cryptus spissicornis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 361. ♀. [o.d., St. Gertrude, Que. (M.P.Q.)] Preoccupied by Provancher, 1886.
- Cubocephalus annulatus** (Cresson) new combination
- Phygadeuon annulatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 308. ♀. [o.d., Del. (A.N.S.P.)]
- Phygadeuon annulatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [des., Que.]
- Cubocephalus ater** (Ashmead) new combination
- Phygadeuon ater* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 20. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

*Chaeretymma Ashmeadii* Harrington, Canad. Ent., 1894, 26: 212. ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

*Chaeretymma Ashmeadii* Harrington, Canad. Ent., 1897, 29: 44. [des., B.C.]

**Cubocephalus atricornis** new name for *Phaeogenes nigricornis* Provancher

*Phaeogenes nigricornis* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 770). ♂. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Cubocephalus* by Provancher, 1875.

*Phaeogenes nigricornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 40. [key]

*Phaeogenes nigricornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

**Cubocephalus baldaufi** (Dalla Torre) new combination

*Cryptus scutellatus* Provancher, Nat. Canad., 1877, 9: 12. ♂. [o.d., Que. (M.P.Q.)] Preoccupied by Smith, 1858.

*Cryptus scutellatus* Provancher, Nat. Canad., 1879, 11: 133; (Faune, p. 332). ♂. [key, des.]

*Cryptus scutellatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

*Cryptus baldaufi* Dalla Torre, Cat. Hymen. 1902, 3: 563. [new name for *Cryptus scutellatus* Provancher]

**Cubocephalus canadensis** (Provancher) new combination

*Leptobatus Canadensis* Provancher, Nat. Canad., 1875, 7: 145. ♀. [o.d., Que. (M.P.Q.)]

*Phygadeuon signatus* Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). [key, syn., des. (in part)]

*Cryptus pentagonalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. ♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

*Cryptus pentagonalis* Davis, Canad. Ent., 1895, 27: 288. [syn.]

*Cryptus pentagonalis* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

**Cubocephalus cincticornis** (Cresson) new combination

*Phygadeuon cincticornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 309. ♀. [o.d., Ill. (A.N.S.P.)]

**Cubocephalus circumcinctus** (Provancher) new combination

*Cryptus circumcinctus* Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 331). ♂. [key, o.d., Que. (M.P.Q.)]

*Cryptus circumcinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

*Cryptus flavipes* Harrington, Canad. Ent., 1894, 26: 212. ♀. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

**Cubocephalus collaris** (Provancher) new combination

*Cryptus collaris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 71. ♂. [key, o.d., St. Gertrude, Que. (M.P.Q.)]

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**Cubocephalus erythropygus** (Provancher) new combination

*Cryptus erythropygus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 69.

♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Cryptus erythropygus* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Chaeretymma erythropygus* Walley, Canad. Ent., 1937, 69: 116. [syn.]

**Cubocephalus eximius** (Cresson) new combination

*Mesoleptus eximius* Cresson, Trans. Amer. Ent. Soc., 1868; 2: 100. ♂. [o.d., Conn. (A.N.S.P.)]

*Mesoleptus eximius* Provancher, Nat. Canad., 1875, 7: 271, 272. [key, Que.]

(Hemitelini) *eximius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

*Hemiteles eximius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 339. [key]

**Cubocephalus impressus** (Provancher) new combination

*Ischnus impressus* Provancher, Nat. Canad., 1875, 7: 112. ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon impressus* Provancher, Nat. Canad., 1879, 11: 71; (Faune, p. 317). [key, syn., des.] In part, not *Phygadeuon impressus* Provancher, 1874.

*Phygadeuon impressus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]

*Phygadeuon impressus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]

*Phygadeuon impressus* Provancher, Nat. Canad., 1887, 16: 24, 34, 46. [Que.]

*Phygadeuon impressus* Nason, Ent. News, 1905, 16: 150. [Ill.]

**Cubocephalus incognitus** (Provancher) new combination

*Cryptus incognitus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 70.

♂. [key, o.d., Ste. Angèle de Laval, Que. (M.P.Q.)]

**Cubocephalus laticeps** (Cresson) new combination

*Cryptus laticeps* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

**Cubocephalus latus** (Provancher) new combination

*Cryptus latus* Provancher, Nat. Canad., 1874, 6: 178, 204. ♀. [key, o.d., Que. (type lost)]

*Cryptus incertus* Provancher, Nat. Canad., 1874, 6: 178, 205. ♂, ♀. [key, des., biol., Que.] Misdetermined.

*Cryptus latus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]

*Cryptus occidentalis* Provancher, Nat. Canad., 1875, 7: 314. ♀. [o.d., Que. (M.P.Q.)]

*Phygadeuon inhabilis* Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Cryptus latus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♀. [des., B.C.]

- Phygadeuon inhabilis* Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315).  
[key, des.]
- Phygadeuon occidentalis* Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 316). [key, syn., des.]
- Phygadeuon inhabilis* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 774).  
[key]
- Phygadeuon occidentalis* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774). [key]
- Phygadeuon inhabilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46.  
[key]
- Phygadeuon occidentalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.  
[key]
- Phygadeuon latus* Dalla Torre, Cat. Hymen., 1902, 3: 687. [syn.]
- Chaeretymma lata* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Phygadeuon occidentalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]
- Aptesis occidentalis* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

**Cubocephalus maurus** (Cresson) new combination

- Echthrus? maurus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 381. ♀.  
[o.d., Victoria, B.C. (A.N.S.P.)]
- Echthrus? maurus* Harrington, Canad. Ent., 1893, 25: 31. [key]

**Cubocephalus mellicoxus** (Provancher) new combination

- Cryptus mellicoxus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 75.  
♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

**Cubocephalus minutus** (Cushman) new combination

- Cratocryptus* sp. Newcomer, Bull. U. S. Dept. Agr., 1915, 265: 33. [host *a*, Wash.]
- Chaeretymma minuta* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 465. ♂, ♀.  
[o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)]
- TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

**Cubocephalus nitidus** (Provancher) new combination

- Mesostenus nitidus* Provancher, Nat. Canad., 1874, 6: 301. ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]
- Cryptus ruficoxus* Provancher, Nat. Canad., 1875, 7: 176, 178. ♂. [key, o.d., Que. (type lost)]
- Mesostenus ruficoxus* Provancher, Nat. Canad., 1875, 7: 266, 268. ♂. [key, o.d., Que. (type lost)]
- Mesostenus nitidus* Provancher, Nat. Canad., 1875, 7: 268. [key]
- Phygadeuon nitidulus* Provancher, Nat. Canad., 1879, 11: 70; (Faune, p. 317).  
[key, syn., des., new name for *Mesostenus nitidus* Provancher.]

*Phygadeuon nitidulus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775).  
[key]

*Phygadeuon nitidulus* Provancher, Addit. Faune Canada, Hymen., 1886, p. 58.  
♂, ♀. [key, des., B.C.]

*Phygadeuon nitidulus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Phygadeuon nitidulus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Mesostenus provancheri* Dalla Torre, Cat. Hymen., 1902, 3: 546. [new name for  
*Mesostenus ruficoxus* Provancher]

*Phygadeuon nitidulus* Nason, Ent. News., 1905, 16: 150. [Ill.]

*Pezoporos nitidulus* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 58. [syn.]

*Phygadeuon nitidulus* Taylor, Ent. Amer., 1929, 10: 36. [host *a*, Mass.]

*Phygadeuon nitidulus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,  
no. 2: 100. [Mass.]

CURCULIONIDAE: *a*, *Pissodes strobi*.

**Cubocephalus osculatus** (Provancher) new combination

*Cryptus osculatus* Provancher, Nat. Canad., 1874, 6: 178. ♂. [key, o.d.,  
Que. (M.P.Q.)]

*Cryptus osculatus* Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 331).  
[key, des.]

*Cryptus osculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63.  
[key]

*Microcryptus osculata* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 457. ♂, ♀.  
[des., host *a*, Wash.]

*Chaeretymma osculata* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

**Cubocephalus pallidus** (Cresson) new combination

*Cryptus pallidus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 307. ♀. [o.d., Del.  
(A.N.S.P.)]

*Cryptus pallidus*? Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *a*,  
Mass.]

PTEROPHORIDAE: *a*, ?*Pterophorus periscelidactylus*.

**Cubocephalus rectus** (Provancher) new combination

*Cryptus rectus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 75. ♂.  
[key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Cryptus heiglii* Dalla Torre, Cat. Hymen., 1902, 3: 574. [new name for *Cryptus*  
*rectus* Provancher]

*Chaeretymma zingara* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16.  
[host *a*, N.Y.] Nomen nudum.

BUPRESTIDAE: *a*, *Dicerca divaricata*.



**Cubocephalus rufifrons** (Walsh) new combination

*Cryptus rufifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 75. ♀. [o.d., (?Ill.) (type destroyed)]

**Cubocephalus schmuckii** (Dalla Torre) new combination

*Cryptus longicaudus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] Preoccupied by Kriechbaumer, 1873.

*Cryptus longicaudus* Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

*Cryptus schmuckii* Dalla Torre, Cat. Hymen., 1902, 3: 588. [new name for *Cryptus longicaudus* Provancher]

**Cubocephalus signatus** (Provancher) new combination

*Cryptus signatus* Provancher, Nat. Canad., 1874, 6: 179. ♀. [key, o.d., Que. (M.P.Q.)]

*Cryptus Quebecensis* Provancher, Nat. Canad., 1874, 6: 179. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon signatus* Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 314). [key, syn., des. (in part)]

*Cryptus velox* Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 330). [key, syn., des. (in part)]

*Phygadeuon signatus* Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 772). [key]

*Phygadeuon signatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

*Phygadeuon signatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, des.]

**Cubocephalus spissicornis** (Provancher) new combination

*Cryptus spissicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 68. ♂, ♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

*Phygadeuon spissicornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

**Cubocephalus velox** (Cresson) new combination

*Cryptus velox* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 293. ♀. [o.d., N.Y. (A.N.S.P.)]

*Cryptus velox* Provancher, Nat. Canad., 1874, 6: 179. [key, Que.]

*Cryptus velox* Provancher, Nat. Canad., 1879, 11: 132; (Faune, p. 330). [key, syn., des. (in part)]

*Cryptus velox* Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]

*Isotina* (!) *tibialis* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

*Chaeretymma velox* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 9. [syn.]

*Chaeretymma velox* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Chaeretymma velox* Taylor, Ent. Amer., 1929, 10: 39. [Mass.]

**Cubocephalus vultus** (Cresson) new combination

*Mesoleptus vultus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 268, ♂. [o.d. Del. (A.N.S.P.)]

*Cryptus ignotus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 73. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Cryptus ignotus* Davis, Canad. Ent., 1895, 27: 288. [syn.]

(Cryptini) *vultus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]

**APTESIS** Foerster

*Aptesis* Foerster, Wiegmann's Arch. Naturg., 1850, 16, bd. 1: 71, 82.

Genotype: *Ichneumon sudeticus* Gravenhorst.

*Pezoporus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 181.

Preoccupied by Illiger, 1811 and by Klug, 1842.

Genotype: *Pezoporus nigrocinctus* Gravenhorst.

**Aptesis aterrima** (Provancher) new combination

*Phaeogenes aterrimus* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769).

♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Phaeogenes aterrimus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 41.

♂, ♀. [key, des., Que.]

*Phygadeuon aterrimus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

**Aptesis basizonia** (Gravenhorst) new combination

*Phygadeuon basizonius* Gravenhorst, Ichneum. Europeae, 1829, 2: 748. ♀. [o.d., Sickershausen, Europe (?Breslau Mus.), Finland]

*Microcryptus basizonius* Balch, Rpt. Dept. Lands & Forests N.S. for 1935, 1936, p. 95. [host *a*, Canada]

*Microcryptus basizonius* Finlayson and Reeks, Canad. Ent., 1936, 68: 165, 166. [biol., host *a*, Europe, Que.]

DIPRIONIDAE: *a*, *Diprion hercyniae*.

**Aptesis brevicauda** (Ashmead)

*Cryptus brevicauda* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., St. Louis, ?Mo. (U.S.N.M.)]

*Cryptus brevicauda* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Aptesis brevicauda* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

**Aptesis brevicornis** (Provancher) new combination

*Cryptus brevicornis* Provancher, Nat. Canad., 1875, 7: 176, 177. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesostenus albicoxus* Provancher, Nat. Canad., 1875, 7: 266, 267. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon albicoxus* Provancher, Nat. Canad., 1879, 11: 72; (Faune, p. 318). [key, des.]

*Phygadeuon impressus* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 317). [key, syn., des. (in part)]

- Phygadeuon albicoxus* Provancher, Nat. Canad., 1882, 13: 336; (Faune, p. 775). [key]  
*Phygadeuon albicornis* (!) Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]  
*Phygadeuon brevicornis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Phygadeuon brevicornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

**Aptesis decorata** (Provancher) new combination

- Ichneumon decoratus* Provancher, Nat. Canad., 1875, 7: 25, 83. ♂. [key, o.d., Que. (M.P.Q.)]  
*Ichneumon decoratus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des., Canada, Mass.]  
*Ichneumon decoratus* Provancher, Nat. Canad., 1878, 10: 276, 356; (Faune, p. 282). [key, des.]  
*Phygadeuon orbitalis* Provancher, Nat. Canad., 1882, 13: 335, 354; (Faune, p. 776). ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.  
*Phygadeuon orbitalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. [key]  
*Ichneumon decoratus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]  
*Phygadeuon orbitalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key]  
*Phygadeuon* (*Scinascopus*?) *orbitaliformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.  
*Phygadeuon orbitalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Phygadeuon orbitalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]  
*Phygadeuon orbitalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

**Aptesis dorsator** (Ashmead) new combination

- Centeterus dorsator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 161. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)]

**Aptesis ferruginea** (Ashmead) new combination

- Stiboscopus ferrugineus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 173, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] Not *Cryptus ferrugineus* Ashmead, 1890

**Aptesis indistincta** (Provancher)

- Cryptus micropterus* Say, Boston Jour. Nat. Hist., 1836, 1: 238. (Leconte Ed., 2: 694.) ♀. [o.d., Pa. (type destroyed)] Preoccupied in *Aptesis* by Gravenhorst, 1815.  
*Brachypterus micropterus* Walsh, Practical Ent., 1866, 1: 120. [host c.]  
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- Phaeogenes indistinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 43.  
♂. [key, o.d., Ottawa, Ont. (C.N.C.)]
- Cryptus segregatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 73.  
♂. [o.d., Ottawa, Ont. (C.N.C.)]
- Aptesis micropterus* Cresson, Synops. Hymen. N. Amer., 1887, p. 199. [syn.]
- Cryptus indistinctus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Cryptus segregatus* Davis, Canad. Ent., 1895, 27: 287. [des.]
- Phygadeuon indistinctus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Aptesis micropterus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569.  
[Pa.]
- Aptesis microptera* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 328.  
[des.]
- Aptesis pterigia* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 100. ♀. [new  
name for *Cryptus micropterus* Say]
- Aptesis pterigia* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 161.  
[syn.]
- Aptesis pterigia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928.  
[N.Y.]
- Aptesis indistincta* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.,  
host b, Me.]
- Pezoporus indistinctus* Dowden, Jour. Econ. Ent., 1937, 30: 381. [host d,  
"Great Lakes Region"]
- Aptesis indistincta* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host  
a, N.B.]
- Aptesis indistincta* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a,  
Canada]
- DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion* sp. TENTHREDINIDAE: c, *Nematus ribesii*; d, *Pristiphora erichsonii*.
- Aptesis iridescens*** (Cresson) new combination
- Ischnus iridescens* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 193. ♂. [o.d.,  
Del. (A.N.S.P.)]
- Ichneumon iridescens* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]
- Cryptus iridescens* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
- Cryptus iridescens* Dalla Torre, Cat. Hymen., 1902, 3: 576. [syn., in part]
- Aptesis nigriceps*** (Provancher) new combination
- Phygadeuon nigriceps* Provancher, Addit. Faune Canada, Hymén., 1886, p. 52.  
♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]
- Aptesis nivaria*** Brues
- Aptesis nivarius* Brues, Canad. Arctic Exped., 1913-18, 1919, 3 G: 21. ♀.  
[o.d., Collinson Pt., Alaska (C.N.C.)]
- Aptesis rubrocincta*** (Provancher) new combination
- Phygadeuon rubrocinctus* Provancher, Nat. Canad., 1874, 6: 280. ♀. [key,  
o.d., Que. (M.P.Q.)]

- Phygadeuon rubrocinctus* Provancher, Nat. Canad., 1875, 7: 182. [key.]  
*Phygadeuon rubrocinctus* Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315). [key, des.]  
*Phygadeuon rubrocinctus* Provancher Nat. Canad., 1882, 13: 333; (Faune, p. 773). [key]  
*Phygadeuon rubrocinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]  
*Phygadeuon rubrocinctus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

**Aptesis schoberi** (Dalla Torre) new combination

- Cryptus ferrugineus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., Placer Co., Calif. (U.S.N.M.)] Preoccupied by Smith, 1861.  
*Cryptus Schoberi* Dalla Torre, Cat. Hymen., 1902, 3: 588. [new name for *Cryptus ferrugineus* Ashmead]  
*Cryptus koebelei* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 158. [new name for *Cryptus ferrugineus* Ashmead]

**Aptesis segnis** (Provancher) new combination

- Phygadeuon segnis* Provancher, Nat. Canad., 1877, 9: 11. ♀. [o.d., Que. (M.P.Q.)]  
*Phygadeuon segnis* Provancher, Nat. Canad., 1879, 11: 71; (Faune, p. 317). [key, des.]  
*Phygadeuon segnis* Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 773). [key]  
*Phygadeuon segnis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

**Aptesis tenthredinarum** (Rohwer) new combination

- Pezoporus (Schenkia) tenthredinarum* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 216. ♂, ♀. [o.d., host *a*, Geneva, N.Y. (U.S.N.M.)]  
*Pezoporus tenthredinarum* Parrott and Fulton, Bull. N.Y. Agr. Exp. Sta., 1915, 411: 552, 572. [des., fig., biol., host *a*, N.Y.]  
TENTHREDINIDAE: *a*, *Profenusa canadensis*.

**Aptesis tegularis** (Provancher)

- Phygadeuon tegularis* Provancher, Nat. Canad., 1874, 6: 282. ♀. [key, o.d., Que. (M.P.Q.)]  
*Phygadeuon tegularis* Provancher, Nat. Canad., 1875, 7: 182. [key]  
*Phygadeuon alacris* Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 316). [key, syn., des. (in part)]  
*Aptesis tegularis* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. [syn.]

**Aptesis trifasciata** (Ashmead) new combination

- Microcryptus trifasciatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [key, o.d., St. Paul Is., Alaska (U.S.N.M.)]  
*Pezoporus trifasciatus* Viereck, N. Amer. Fauna, 1923, no. 46: 234. [syn.]  
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**Aptesis tsugae** Cushman

*Aptesis (Pezoporus) tsugae* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 394.

♂, ♀. [o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

*Aptesis (Pezoporus) tsugae* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

**MEGAPLECTES** Foerster

*Megaplectes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Ichneumon monticola* Gravenhorst.

*Iocryptus* Thomson, Opusc. Ent., 1873, 5: 470, 472.

Genotype: (*Phygadeuon regius* Taschenberg) = *monticola* Gravenhorst.

**Megaplectes blakei** (Cresson)

*Ichneumon Blakei* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 139. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon Blakei* Cresson, Proc. Ent. Soc. Phila., 1865, 3: 249. [Colo.]

*Cryptus insignis* Provancher, Nat. Canad., 1874, 6: 178. ♀. [key, o.d., Que. (type lost)]

*Ichneumon Blakei* Provancher, Nat. Canad., 1874, 7: 25. ♂. [key, des., Que.]

*Cryptus Blakei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]

*Phygadeuon Blakei* Provancher, Nat. Canad., 1879, 11: 67; (Faune, p. 313). ♂, ♀. [key, syn., des.]

*Phygadeuon Blakei* Provancher, Nat. Canad., 1882, 13: 333, 335; (Faune, p. 772, 774). [key]

*Hoplismenus stygicus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 34.

♂. [o.d., Ont. (M.P.Q.)] New synonymy.

*Phygadeuon Blakei* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45, 48. [key]

*Megaplectes blakei* Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Megaplectes blakei* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

*Megaplectes monticola* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [syn. (in part), N.Y.]

*Megaplectes blakei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [syn., N.Y.]

**SCHENKIA** Foerster

*Shenkia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Cryptus graminicola* Gravenhorst) = *brevicornis* Gravenhorst.

*Ecpaglus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 185.

Genotype: *Phygadeuon brevicornis* Gravenhorst.

*Schenckia* Dalla Torre, Wien. Ent. Ztg., 1901, 20: 51. [emendation of *Shenkia* Foerster]

**Schenkia placida** (Provancher) new combination

*Ischnus placidus* Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (type lost)]

*Phygadeuon rectus* Provancher, Nat. Canad., 1875, 7: 178, 182. ♀. [key, o.d., Que. (C.N.C.)] New synonymy.

*Phygadeuon rectus* Provancher, Nat. Canad., 1879, 11: 69; (Faune, p. 315). [key, syn., des.]

*Phaeogenes tuberculifer* Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 770). ♀. [key, o.d., Que. (C.N.C.)] New synonymy.

*Phaeogenes tuberculifer* Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

*Phygadeuon rectus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 49. [key]

*Cryptus pubescens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 72. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] Preoccupied by Fonscolombe 1850. New synonymy.

*Phygadeuon tuberculifer* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Cryptus? rectus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

*Cryptus pubescens* Davis, Canad. Ent., 1895, 27: 287. [syn.]

*Phaeogenes tuberculifer* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Cryptus hechfellneri* Dalla Torre, Cat. Hymen., 1902, 3: 574. [new name for *Cryptus pubescens* Prov.]

*Phygadeuon rectus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Schenkia** sp.

*Cryptus hyslopi* Brimley, Insects of N.C., 1938, p. 407. [N.C.] Misdetermined.

*Schenkia* sp. Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

**GIRAUDIA** Foerster

*Giraudia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Cryptus congruens* Gravenhorst) = *gyratoria* Thunberg.

*Calocryptus* Thomson, Opusc. Ent., 1873, 5: 519.

Genotype: (*Cryptus congruens* Gravenhorst) = *gyratoria* Thunberg.

*Pseudocryptus* Kriechbaumer, Ent. Nachr., 1893, 19: 120. New synonymy.

Genotype: *Cryptus grisescens* Gravenhorst.

**Giraudia plana** (Provancher) new combination

*Phygadeuon planus* Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon planus* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Phygadeuon robustus* Provancher, Nat. Canad., 1879, 11: 75; (Faune, p. 322). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

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- Phygadeuon planus* Provancher, Nat. Canad., 1879, 11: 76; (Faune, p. 322).  
[key, des.]
- Phygadeuon planus* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).  
[key]
- Phygadeuon robustus* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).  
[key]
- Phygadeuon planus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.  
[key]
- Phygadeuon robustus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.  
[key]
- Aptesis ferruginea* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 550. ♂, ♀.  
[o.d., host a, Riverdale, Md. (U.S.N.M.)] New synonymy.
- Microcryptus ferrugineus* Neave, Rev. Appl. Ent., 1937 A, 24: 389. [syn.]
- TENTHREDINIDAE: a, *Tomostethus multicinctus*.

**Giraudia rufa** (Provancher) new combination

- Cryptus rufus* Provancher, Nat. Canad., 1874, 6: 177, 202. ♂. [key, o.d.,  
Que. (M.P.Q.)]
- Cryptus rufus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]
- Cryptus rufus* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 342). ♂, ♀.  
[key, syn. (in part), des.]
- Cryptus rufus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66.  
[key]
- Agrothereutes rufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332.  
[key, Conn.]

**POLYTRIBAX** Foerster

- Polytribax* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.  
Genotype: *Polytribax pallescens* Viereck.

**Polytribax contiguus** (Cresson) new combination

- Ischnus contiguus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 190. ♂. [o.d.,  
Md. (A.N.S.P.)]
- Phygadeuon major* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 308. ♀. [o.d.,  
Ill. (A.N.S.P.)] New synonymy.
- Ichneumon contiguus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada,  
Eastern and Middle States]
- Ischnus contiguus* Provancher, Nat. Canad., 1875, 7: 111. [key, des., Que.]
- Phygadeuon major* Provancher, Nat. Canad., 1875, 7: 181, 183. [key, Que.]
- Cryptus contiguus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
- Phygadeuon major* Provancher, Nat. Canad., 1879, 11: 74; (Faune, p. 320).  
[key, des.]
- Cryptus contiguus* Provancher, Nat. Canad., 1879, 11: 134; (Faune, p. 333).  
[key, des.]



- Phygadeuon major* Provancher, Nat. Canad., 1882, 13: 335; (Faune, p. 774).  
[key]
- Cryptus contiguus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64.  
[key]
- Phygadeuon major* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48.  
[key]
- Agrothereutes contiguus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key]
- Plectocryptus contiguus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Plectocryptus major* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Plectocryptus contiguus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]
- Plectocryptus major* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142.  
[Me.]
- Plectocryptus contiguus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Plectocryptus major* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]
- Plectocryptus major* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]
- Plectocryptus contiguus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

**Polytribax crotchii** (Cresson) new combination

- Phygadeuon Crotchii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 357. ♀.  
[o.d., Lake Lahache, B.C. (A.N.S.P.)]

**Polytribax fulvescens** (Cresson) new combination

- Phygadeuon fulvescens* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀.  
[o.d., Calif. (A.N.S.P.)]

**Polytribax pallescens** (Viereck)

- Plesiognathus* (!) *flavescens* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.J., Pa.] Misdetermined.
- Phygadeuon fulvescens* (= *Plesiognathus flavescens*) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.] Misdetermined.
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 406. ♂, ♀. [o.d., host *a b*, Castle Rock, Pa. (U.S.N.M.)]
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Proc. Ent. Soc. Wash., 1911, 13: 97. [syn.]
- Phygadeuon* (*Polytribax*) *pallescens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 337. [key]
- Polytribax pallescens* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Polytribax pallescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]

*Polytribax pallescens* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

*Polytribax pallescens* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

ARCTIIDAE: a, ?*Hyphantria* sp. HESPERIIDAE: b, *Proteides clarus*.

### RHEMBOBIUS Foerster

*Rhembobius* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 184.

Genotype: (*Phygadeuon quadrispinosus* (!) Gravenhorst) = *quadrispinus* Gravenhorst.

*Acanthocryptus* Thomson, Opusc. Ent., 1873, 5: 520, 521.

Genotype: *Phygadeuon quadrispinus* Gravenhorst.

#### ***Rhembobius abdominalis abdominalis* (Provancher)**

*Phygadeuon abdominalis* Provancher, Nat. Canad., 1874, 6: 280. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon 4-carinatus* Provancher, Nat. Canad., 1875, 7: 180, 183. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon abdominalis* Provancher, Nat. Canad., 1875, 7: 182. [key]

*Platylabus 4-carinatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♂. [key, des.]

*Platylabus 4-carinatus* Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306). ♂. [key, des.]

*Phygadeuon abdominalis* Provancher, Nat. Canad., 1879, 11: 73; (Faune, p. 319). [key, des.]

*Phygadeuon abdominalis* Provancher, Nat. Canad., 1882, 13: 334; (Faune, p. 773). [key]

*Platylabus 4-carinatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

*Phygadeuon abdominalis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 46. [key]

*Apaeleticus quadricarinatus* Bradley, Canad. Ent., 1903, 35: 275. [syn.]

*Platylabus quadricarinatus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3. [syn.]

*Phygadeuon abdominalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 142. [Me.]

*Rhembobius abdominalis* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3. [des. (in part), Colo., Conn., Me., N.Y., Que., S.D.]

#### ***Rhembobius abdominalis pacificus* (Harrington) new combination**

*Platylabus pacificus* Harrington, Canad. Ent., 1894, 26: 210, ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

*Platylabus pacificus* Bradley, Canad. Ent., 1903, 30: 282. [key]

*Rhembobius abdominalis* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3. [des. (in part), host a b, Calif., Colo., Wash.]

SYRPHIDAE: a, *Citibaena strigata*; b, *Merodon equestris*.

**DEMOPHELES** Foerster

*Demopheles* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Phygadeuon caliginosus* Gravenhorst.

*Mecocryptus* Thomson, Opusc. Ent., 1873, 5: 520, 521.

Genotype: *Phygadeuon caliginosus* Gravenhorst.

**Demopheles matorus** (Provancher) new combination

*Phygadeuon matorus* Provancher, Nat. Canad., 1879, 11: 68; (Faune, p. 314).

♀. [key, o.d., St. Hyacinthe, Que. (M.P.Q.)]

*Phygadeuon matorus* Provancher, Nat. Canad., 1882, 13: 333; (Faune, p. 772).

[key]

*Phygadeuon matorus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45.

[key]

**APSILOPS** Foerster

*Apsilops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Cryptus hirtifrons* Ashmead.

*Dapanus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: *Ichneumon cinctorius* Fabricius.

*Sobas* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187. Pre-occupied by Pascoe, 1863.

Genotype: *Ichneumon cinctorius* Fabricius.

*Trichocryptus* Thomson, Opusc. Ent., 1873, 5: 520.

Genotype: *Ichneumon cinctorius* Fabricius.

**Apsilops bicolor** (Cushman) new combination

*Trichocryptus bicolor* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 8.

♀. [o.d., Sprague, Wash. (U.S.N.M.)]

*Trichocryptus atlanticus* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 3.

♀. [o.d., Bladensburg, Md. (U.S.N.M.)] New synonymy.

*Trichocryptus atlanticus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Trichocryptus atlanticus* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 6.

♂, ♀. [des., Mass.]

*Trichocryptus bicolor* Walley, Canad. Ent., 1941, 73: 166. [Sask.]

**Apsilops hirtifrons** (Ashmead)

*Cryptus hirtifrons* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♂. [key, o.d., Tex. (U.S.N.M.)]

*Cryptus cyaneiventris* Riley and Howard, Insect Life, 1890, 3: 154. [host ?a, Fla.] Nomen nudum.

*Cryptus cyaneiventris* Hart, Bull. Ill. State Lab. Nat. Hist., 1895, 4: 270. [host b, Ill.] Nomen nudum.

*Apsilops hirtifrons* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 207. ♀. [des. host c, D.C., Ill., Ohio]

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*Agrothereutes (Apsilops) hirtifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key, Conn.]

*Trichocryptus hirtifrons* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 259. [syn.]

*Trichocryptus hirtifrons* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Trichocryptus hirtifrons* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 7. [syn., des., host *a*, Fla., Ill., Ohio]

*Trichocryptus hirtifrons* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Trichocryptus hirtifrons* Cushman, Canad. Ent., 1933, 65: 24. [syn.]

PYRAUSTIDAE: *a*, *Nymphula oblitalis*; *b*, *Nymphula* sp. MISCELLANEOUS: *c*, "pyralidid" living in water lily.

#### NEOSTRICKLANDIA Viereck

*Neostricklandia* Viereck, Canad. Ent., 1925, 57: 75.

Genotype: *Neostricklandia sericata* Viereck.

*Trichestema* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 9.

Genotype: (*Trichestema helcostizoides* Cushman) = *sericata* Viereck.

#### *Neostricklandia sericata* Viereck

*Neostricklandia sericata* Viereck, Canad. Ent., 1925, 57: 75. ♀. [o.d., fig., Alta. (C.N.C.)]

*Neostricklandia sericata* Viereck, Canad. Ent., 1926, 58: 54. ♂. [des., Man.]

*Trichestema helcostizoides* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 9. ♀. [o.d., fig., Bruce, S.D. (U.S.N.M.)] New synonymy.

*Neostricklandia helcostizoides* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Neostricklandia helcostizoides* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 7. ♂, ♀. [des., Mass.]

*Neostricklandia sericata* Frohne, Trans. Amer. Micros. Soc., 1939, 58: 234, 325, 347. [biol., host *a b*, Mich.]

CRAMBIDAE: *a*, *Chilo forbesellus*; *b*, *Occidentalia comptulatalis*.

### Subfamily 3. CRYPTINAE

#### Tribe 3. SPHECOPHAGINI

#### SPHECOPHAGA Westwood

*Sphecophaga* Westwood, Introd. Modern Class. Insects, 1840, 2, Gen. Syn.: 57.

Genotype: *Anomalon vesparum* Curtis.

*Chyronomon* Desvignes, Cat. Brit. Ichneum., 1856, p. 47.

Genotype: *Anomalon vesparum* Curtis.

*Cacotropa* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208.

Genotype: (*Cacotropa sericea* Thomson) = *vesparum* Curtis.

**Sphecophaga burra** (Cresson)

*Euceros burrus* Cresson, Canad. Ent., 1869, 1: 104. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

*Euceros burrus* Couper, Canad. Ent., 1870, 2: 53. [biol., host *a*, Ont.]

*Euceros burrus* Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 426). [key, des.]

*Sphecophagus? praedator* Zabriskie, Jour. N.Y. Ent. Soc., 1894, 2: 84. ♂, ♀. [o.d., fig., biol., host *a?b*, N.Y. (location of types unknown)]

*Cacotropa burrus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 288. ♂, ♀. [syn., des.]

*Sphecophaga burra* Dalla Torre, Cat. Hymen., 1901, 3: 281. [syn.]

*Sphecophaga praedator* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 53, 57. [Que.]

*Sphecophaga burra* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♂, ♀. [des.]

*Sphecophaga burra* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]

*Sphecophaga burra* Bequaert, Ent. Amer., 1932, 12: 92. [biol., host *b*, N.Y.]

*Sphecophaga burra* Schmiedeknecht, Ent. News, 1939, 50: 92. [biol., host *a*, parasite *a*, Pa.]

VESPIDAE: *a*, *Vespula maculata*; *b*, *Vespula maculifrons*.

Parasite: Chalcididae: *a*, *Dimmockia incongrua*.

## Subfamily 3. CRYPTINAE

## Tribe 4. CRYPTINI

**TRYCHOSIS** Foerster

*Trychosis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

Genotype: *Cryptus neglectus* Tschek.

*Hidryta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187. New synonymy.

Genotype: *Brachycryptus erythrocerus* Thomson.

*Idiolispa* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188. New synonymy.

Genotype: *Bassus analis* Gravenhorst. (Included by Brischke, Schrift. Naturf. Ges. Danzig 1881 4, heft 1 and 2: 333, monobasic.)

*Brachycryptus* Thomson, Opusc. Ent., 1873, 5: 471, 487.

Genotype: *Brachycryptus erythrocerus* Thomson.

*Liocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 489.

Genotype: *Bassus analis* Gravenhorst.

*Goniocryptus* of authors, not of the genotype.

*Phaetrophadnus* Cameron, Jour. Bombay Nat. Hist. Soc., 1906, 17: 285.

Genotype: *Phaetrophadnus striatus* Cameron.

*Ethaemorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565.

Genotype: *Cryptus similis* Cresson.

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*Orthocryptus* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567.

Genotype: (*Cryptus monticola* Ashmead) = *sanderi* Dalla Torre.

**Trychosis albisoleatus** (Walsh) new combination

*Cryptus? albisoleatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 80. ♂. [o.d., (?Ill.) (type destroyed)]

**Trychosis albitarsis** (Cresson) new combination

*Cryptus albitarsis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 300. ♂. [o.d., Del. (A.N.S.P.)]

*Cryptus albitarsis* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 81. [des.]

**Trychosis albicaligatus** (Walsh) new combination

*Cryptus albicaligatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 82. ♂. [o.d., (?Ill.) (type destroyed)]

*Cryptus albitarsis* var. *albicaligatus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 82. [syn.]

**Trychosis exulans** (Cresson) new combination

*Cryptus exulans* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

**Trychosis frater** (Cresson) new combination

*Cryptus frater* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 303. ♀. [o.d., Ill. (A.N.S.P.)]

*Cryptus frater* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 80. ♀. [des.]

**Trychosis fusiformis** (Provancher) new combination

*Phygadeuon fusiformis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 51. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Phygadeuon fusiformis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [syn. (in part)]

*Cryptus montivagus* Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]

*Phygadeuon fusiformis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

**Trychosis limatus** (Cresson) new combination

*Cryptus limatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 298. ♀. [o.d., Del. (A.N.S.P.), Va.]

*Cryptus limatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 81. ♂. [des.]

*Cryptus limatus* Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]

*Ischnus lentus* Provancher, Nat. Canad., 1875, 7: 110. ♂. [key, o.d., Que. (M.P.Q.)]

*Cryptus limatus* Provancher, Nat. Canad., 1879, 11: 135; (Faune, p. 334). ♂, ♀. [key, syn., des., fig.]

*Cryptus limatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

*Cryptus limatus* Slosson, Ent. News, 1895, 6: 317. [N.H.]

- Cryptus limatus* Slosson, Ent. News, 1896, 7: 264. [N.H.]  
*Idiolispa leniatus* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
 [N.J., N.Y.]  
*Cryptus limatus* Nason, Ent. News, 1905, 16: 150. [Ill.]  
*Cryptus linearis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn.]  
 Misdetermined.  
*Cryptus limatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]  
*Agrothereutes limatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333.  
 [key, Conn.]  
*Cryptus limatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]  
*Idiolispa limata* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]  
*Idiolispa limata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931.  
 [N.Y.]  
*Idiolispa limata* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Trychosis montivagus** (Provancher)

- Cryptus similis* Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]  
 Misdetermined.  
*Cryptus similis* Provancher, Nat. Canad., 1875, 7: 239. [Que.] Misdetermined.  
*Cryptus montivagus* Provancher, Nat. Canad., 1877, 9: 12. ♀. [o.d., Que. (M.P.Q.)]  
*Cryptus montivagus* Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338).  
 [key, syn., des.]  
*Cryptus montivagus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62.  
 [key]  
*Cryptus montivagus* Slosson, Ent. News, 1895, 6: 5. [N.H.]  
*Cryptus montivagus* Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]  
*Trychosis montivagus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
 [Del.]  
*Cryptus montivagus* Nason, Ent. News, 1905, 16: 150. [Ill.]  
*Cryptus similis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn. (in part)]

**Trychosis nigricoxus** (Provancher) new combination

- Cryptus nigricoxus* Provancher, Addit. Faune Canada Hymén., 1888, p. 361.  
 ♂. [o.d., Cap Rouge, Que. (M.P.Q.)]  
*Brachycryptus niger* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 7. ♂,  
 ♀. [o.d., Ohio (U.S.N.M.)] New synonymy

**Trychosis sanderi** (Dalla Torre) new combination

- Cryptus monticola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 410. ♀. [key,  
 o.d., Veta Pass, Colo. (U.S.N.M.)] Preoccupied by Cameron, 1885.  
*Cryptus sanderi* Dalla Torre, Cat. Hymen., 1902, 3: 587. [new name for  
*Cryptus monticola* Ashmead]  
*Orthocryptus monticola* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 567. [syn.]

**Trychosis semiruber** new name

*Phygadeuon annulatus* Provancher, Nat. Canad., 1875, 7: 179, 182. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1864.

*Cryptus annulatus* Provancher, Nat. Canad., 1879, 11: 140; (Faune, p. 339). [key, des.]

*Cryptus annulatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]

*Phygadeuon fusiformis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. [syn. (in part)]

*Cryptus annulatus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Cryptus annulatus* Peck, Canad. Jour. Res., 1939 D, 15: 250. [fig. ♂ genitalia]

**Trychosis similis** (Cresson)

*Cryptus similis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 299. ♀. [o.d., Del. (A.N.S.P.)]

*Cryptus similis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Idiolispa similis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

*Cryptus similis* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Cryptus similis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [syn. (in part)]

*Ethaemorpha similis* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565. [syn.]

*Trychosis similis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Trychosis similis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

*Trychosis similis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

**Trychosis subgracilis** (Cresson) new combination

*Cryptus subgracilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 303. ♀. [o.d., Ill. (A.N.S.P.)]

*Cryptus rufoannulatus* Provancher, Nat. Canad., 1874, 6: 177, 202. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Cryptus rufoannulatus* Provancher, Nat. Canad., 1879, 11: 136; (Faune, p. 335). [key, des.]

*Cryptus rufoannulatus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Cryptus rufoannulatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 61, 63, 64. [key]

*Cryptus rufoannulatus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Trychosis rufoannulata* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Trychosis rufoannulata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

*Trychosis rufoannulatus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

*Trychosis rufoannulatus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

*Trychosis rufoannulatus* Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 402. [Me.]



**GAMBRUS** Foerster

*Aritranis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: *Cryptus explorator* Tschek.

*Kaltenbachia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: *Cryptus ornatus* Gravenhorst.

*Gambrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: *Gambrus maculatus* Brischke.

*Hoplocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 508. New synonymy.

Genotype: *Hoplocryptus binotatulus* Thomson.

*Hygrocryptus* Thomson, Opusc. Ent., 1873, 5: 472, 513.

Genotype: *Cryptus carnifex* Gravenhorst.

*Allocryptus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. New synonymy.

Genotype: (*Agrothereutes* (*Allocryptus*) *hyslopi* Viereck) = *ultimus* Cresson.

**Gambrus affabilis** (Provancher) new combination

*Cryptus alacris* Provancher, Nat. Canad., 1874, 6: 168, 205. [key, Que.]

Misdetermined.

*Cryptus affabilis* Provancher, Nat. Canad., 1877, 9: 13. ♀. [o.d., Que. (M.P.Q.)]

*Cryptus affabilis* Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 341). [key, syn., des.]

*Cryptus affabilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. [key]

**Gambrus albicollaris** (Cresson) new combination

*Cryptus albicollaris* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. ♀. [o.d., Comal Co., Tex. (A.N.S.P.)]

*Cryptus albicollaris* Nason, Ent. News, 1905, 16: 150. [Ill.]

**Gambrus apicatus** (Provancher) new combination

*Cryptus apicatus* Provancher, Nat. Canad., 1874, 6: 178, 204. ♀. [key, o.d., Que. (M.P.Q.)]

*Cryptus cinctus* Provancher, Nat. Canad., 1875, 7: 175, 177, ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Cryptus apicatus* Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336). [key, des.]

*Cryptus cinctus* Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336). [key, des.]

*Cryptus apicatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62, 65. [key]

*Cryptus cinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 65. [key]

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*Cryptus apicatus* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Hoplocryptus apicatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Hoplocryptus apicatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

**Gambrus bituminosus** (Cushman) new combination

*Cryptoides bituminosus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 6.

♀. [o.d., host *a*, Flushing, N.Y. (U.S.N.M.)]

*Cryptoides bituminosus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Hoplocryptus bituminosus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 357. ♂,

♀. [des., host *b c d e*, Conn., Ind., La., Mass., N.J., Ohio]

CURCULIONIDÆ: *a*, *Sphenophorus pertinax*. CRAMBIDÆ: *b*, *Diatraea* sp. PYRAUSTIDÆ: *c*, *Pyrausta ainsliei*; *d*, *Pyrausta nubilalis*; *e*, *Pyrausta penitalis*.

**Gambrus burkei** Viereck

*Cryptus* (*Gambrus*) *burkei* Viereck, Ent. News, 1909, 20: 291. ♂, ♀. [o.d.,

Summerdale, Calif. (U.S.N.M.)]

**Gambrus canadensis** (Provancher)

*Cryptus albitarsis* Provancher, Nat. Canad., 1874, 6: 178, 204. [key, Que.]  
Misdetermined.

?*Cryptus Belangeri* Provancher, Nat. Canad., 1874, 6: 177, 201. ♀. [key,  
o.d., Que. (M.P.Q.)] New synonymy.

*Nematopodius Canadensis* Provancher, Nat. Canad., 1875, 7: 268. ♂. [key,  
o.d., Que. (M.P.Q.)]

*Cryptus Canadensis* Provancher, Nat. Canad., 1879, 11: 138; (Faune, p. 337).  
[key, syn., des.]

*Cryptus nuncius* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340).  
[syn. (in part)]

*Cryptus Canadensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64.  
[key]

*Spilocryptus exareolatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂.  
[o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Cryptus canadensis* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Agrothereutes canadensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
333. [key, Conn.]

*Spilocryptus canadensis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Spilocryptus canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 930. [N.Y.]

*Gambrus canadensis* Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 58.  
[syn.]

*Spilocryptus canadensis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,  
no. 2: 100. [Mass.]

*Cryptus canadensis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

**Gambrus extrematis** (Cresson)

- Cryptus extrematis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 304. ♀. [o.d., Pa. (A.N.S.P.), Del., Mass.]
- Cryptus samiae* Packard, Proc. Boston Soc. Nat. Hist., 1865, 9: 345. ♂, ♀. [o.d., host *e*, Norway, Me. (Harvard Univ.)] New synonymy.
- Cryptus nuncius* Riley, Amer. Ent., 1870, 2: 102. [syn. (in part), fig., biol., host *d*] Misdetermined.
- Cryptus extrematis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]
- Cryptus samiae* Riley, Ann. Rpt. Insects Mo., 1872, 4: 110–111. ♂, ♀. [des., fig., biol., host *d*]
- Cryptus nuncius* Gentry, Canad. Ent., 1877, 9: 50. [syn. (in part), host *d*, Pa.]
- Cryptus nuncius* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key, syn., des.] Misdetermined.
- Cryptus extrematis* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key, des. (in part)]
- Cryptus extrematis* Riley, Suppl. Ann. Rpt. Insects Mo., 1881, p. 52. [syn.]
- Echthrus Provancheri* Provancher, Canad. Ent., 1885, 7: 116. ♂, ♀. [o.d., a little south of Bracebridge, Muskoka, Ont. (not Vancouver Is., B.C.) (M.P.Q.)] New synonymy
- Echthrus Provancheri* Provancher, Addit. Faune Canada, Hymén., 1886, p. 118. [des., Ont.]
- Cryptus extrematis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]
- Cryptus samiae* Riederer, Jour. N.Y. Microsc. Soc., 1890, 6: 99–101. [morphology, fig.]
- Cryptus extrematis* Riley and Howard, Insect Life, 1890, 1: 154. [host *h*, S.C.]
- Cryptus extrematus* (!) Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Cryptus extrematis* Harrington, Ann. Rpt. Ent. Soc. Ont., 1891, 21: 67. [fig., biol., host *b e*]
- Cryptus extrematis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Cryptus extrematis* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 7. [des., host *d*, S.D.]
- Echthrus provancheri* Harrington, Canad. Ent., 1893, 25: 32. [key]
- Echthrus provancheri* Brodie, Canad. Ent., 1893, 25: 160. [correction of type locality]
- Cryptus extrematus* (!) Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]
- Cryptus extrematus* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 55. [fig., biol., host *d*]
- Cryptus extrematis* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Cryptus extrematus* (!) Davis, Canad. Ent., 1895, 27: 288. [syn. (in part)]
- Cryptus extrematis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Cryptus extrematis* Harrington, Canad. Ent., 1897, 29: 44. [host *g*, B.C.]
- Spilocryptus (Cryptus) extrematis* Lowe, Bull. N.Y. Agr. Exp. Sta., 1898, 152: 290. [host *a*, N.Y.]

- Cryptus extrematis* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host *c*, N.H.]
- Cryptus extrematis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Spilocryptus extrematis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J.]
- Cryptus extrematis* Howard, The Insect Book, 1902, plate 10, fig. 4.
- Spilocryptus* (*Cryptus*) *extrematus* (!) Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 209–210. [biol., host *b*, N.H.]
- Cryptus extrematis* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *d*, Me.]
- Spilocryptus extremis* (!) Smith, Jour. Econ. Ent., 1908, 1: 294–297. [biol., host *d*, N.J., N.Y.]
- Cryptus extremis* (!) Fiske and Thomson, Jour. Econ. Ent., 1909, 2: 453–459. [host *c d e*, parasite *a b f h*]
- Cryptus extrematis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
- Cryptus extrematis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host *d*, Que.]
- Agrothereutes* (*Hoplocryptus*) *extrematis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]
- Spilocryptus cecropiae* Habermehl, Ztschr. f. Wiss. Insektenbiol., 1919, 14: 239. ♀. [o.d., host *d*, no locality given (Habermehl Coll.)] New synonymy.
- Spilocryptus extrematis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 350. [parasite *c*]
- Cryptus extrematis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn.]
- Spilocryptus extrematis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn. (in part)]
- Spilocryptus extrematis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]
- Cryptus extrematus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]
- Cryptus cecropiae* Aue, Handbuch für den Praktischen Entomologen, 1933, abt. 1, b. 4, p. 123. [syn.]
- Spilocryptus extrematis* Gahan, Proc. Ent. Soc. Wash., 1934, 36: 124. [host *d*, parasite *g*]
- Spilocryptus extrematis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *d f*, Conn., Me., N.H., N.J., Vt.]
- Spilocryptus extrematis* Marsh, Canad. Ent., 1936, 68: 215. [parasite *h*]
- Spilocryptus extrematis* Marsh, Ecology, 1937, 18: 107–111. [biol., host *d*, parasite *b d e g h*, Ill.]
- Spilocryptus extrematis* Marsh, Ann. Ent. Soc. Amer., 1937, 30: 40–42. [biol., host *d e*, Ill.]
- Spilocryptus extrematis* Marsh, Jour. N.Y. Ent. Soc., 1938, 46: 27. [biol., host *d*, parasite *g*, Ill.]
- Spilocryptus extrematis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]

- Spilocryptus extrematis* Brimley, Insects of N.C., 1938, p. 406. [N.C.]  
*Spilocryptus extrematis* Beaulne, Canad. Ent., 1939, 71: 120. [host *f*, Que.]  
*Spilocryptus extrematis* Breland, Jour. N.Y. Ent. Soc., 1940, 48: 262. [host *d*,  
 parasite *k*]  
*Spilocryptus extrematis* Gahan, Proc. U. S. Nat. Mus., 1941, 90: 482. [para-  
 site *j*]

LASIOCAMPIDAE: *a*, *Malacosoma americanum*; *b*, *Malacosoma* sp. SATURNIIDAE: *c*, *Callosamia promethea*; *d*, *Samia cecropia*; *e*, *Samia columbia*; *f*, *Telea polyphemus*.  
 CIMBICIDAE: *g*, *Trichiosoma* sp. Miscellaneous: *h*, bombycid? on *Gnaphalium* sp.

Parasites: ICHNEUMONIDAE: *a*, *Bathythrix pimplae*; *b*, *Gelis tenellus*; *c*, *Itopectis conquisitor*; *d*, *Mastrus smithii*; *e*, *Coccygomimus aequalis*; *f*, *Theronia atalantae*. CHALCIDIDAE: *g*, *Cirrospilus inimicus*; *h*, *Dibrachys cavus*; *i*, *Dibrachys* sp.; *j*, *Monodontomerus subobsoletus*; *k*, ?*Monodontomerus* sp.

**Gambrus gracilis** (Provancher) new combination

- Cryptus gracilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 74. ♂.  
 [key, o.d., Ottawa, Ont. (C.N.C.)]  
*Cryptus gracilis* Davis, Canad. Ent., 1895, 27: 289. [syn., des.]  
*Chaeretymma gracilis* Walley, Canad. Ent. 1937, 69: 116. [syn.]

**Gambrus imitator** (Provancher) new combination

- Cryptus imitator* Provancher, Nat. Canad., 1877, 9: 13. ♀. [o.d., Que. (M.P.Q.)]  
*Cryptus imitator* Provancher, Nat. Canad., 1879, 11: 140; (Faune, p. 339).  
 [key, des.]  
*Cryptus imitator* Provancher, Addit. Faune Canada, Hymén., 1886, p. 65.  
 [key]  
*Spilocryptus extrematis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.  
 (in part)]

**Gambrus newcomeri** (Cushman) new combination

- Caenocryptus newcomeri* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 463. ♂, ♀.  
 [o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)]  
 TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

**Gambrus notatus** (Provancher) new combination

- Cryptus notatus* Provancher, Nat. Canad., 1874, 6: 177, 202. ♂. [key, o.d., Que. (M.P.Q.)]  
*Cryptus notatus* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340). [key,  
 des.]  
*Cryptus elongatus* Provancher, Nat. Canad., 1882, 13: 362; (Faune, p. 784).  
 ♂. [o.d., Que. (M.P.Q.)] New synonymy.  
*Cryptus notatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 65. [key]  
*Cryptus elongatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 65.  
 [key]

*Oronotus albomaculatus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. ♂.  
[o.d., Tex. (U.S.N.M.)] New synonymy.

*Cryptus notatus* Nason, Ent. News, 1905, 16: 150. [Ill.]

***Gambrus nuncius* (Say) new combination**

*Cryptus nuncius* Say, Boston Jour. Nat. Hist., 1836, 1: 237; (Leconte Ed. 2: 693). ♀. [o.d., host *b*, Pa. (type destroyed)]

*Cryptus nuncius* Riley, Amer. Ent., 1870, 2: 102. [syn. (in part)]

*Cryptus nuncius* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [host *e*, Tex.]

*Cryptus nuncius* Riley, Ann. Rpt. Insects Mo., 1872, 4: 111, 123. [des., host *c*]

*Cryptus nuncius* Westcott, Canad. Ent., 1873, 5: 138. [host *d*, Ill.]

*Cryptus nuncius* Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, Que.]

*Cryptus nuncius* Gentry, Canad. Ent., 1877, 9: 50. [syn. (in part)]

*Cryptus nuncius* Provancher, Nat. Canad., 1879, 11: 141; (Faune, p. 340).

♀. [key, syn., des. (in part)]

*Cryptus nuncius* Provancher, Addit. Faune Canada, Hymén., 1886, p. 62. [key]

*Cryptus nuncius* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1886, 4: 113. [biol., host *b*]

*Cryptus nuncius* Riley and Howard, Insect Life, 1890, 1: 154. [host *c d*, Mo., Neb.; Pa., S.D., Tex.]

*Cryptus nuncius* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Cryptus nuncius* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 5, 7. [des., biol., host *f*, S.D.]

*Cryptus nuncius* Morgan, Bull. La. Agr. Exp. Sta., 1897, 48: 159. [host *e*, La.]

*Spilocryptus nuncius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [host *a*]

*Cryptus nuncius* Howard, The Insect Book, 1902, plate 10 fig. 9.

*Cryptus nuncius* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Cryptus nuncius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [host *c d*, N.J.]

*Agrothereutes nuncius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]

*Cryptus nuncius* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Cryptus* (*Spilocryptus*) *nuncius* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn.]

*Agrothereutes nuncius* Champlain, Psyche, 1922, 29: 99. [host *c*, Pa.]

*Cryptus nuncius* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Spilocryptus nuncius* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Spilocryptus nuncius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [host *e*, Me.]

*Spilocryptus nuncius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]

*Spilocryptus nuncius* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *c*, Conn., Mass., N.H., N.J., R.I., Vt.]

*Spilocryptus nuncius* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

PYRAUSTIDAE: a, *Pyrausta theseusalis*. PHALAENIDAE: b, *Alabama argillacea*. SATURNIDAE: c, *Callosamia promethea*; d, *Samia cecropia*; e, *Telega polyphemus*. CIMBICIDAE: f, *Cimbex americana*.

**Gambrus ornatus** (Provancher) new combination

*Cryptus ornatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63. ♀. [o.d. in key, (Ottawa, Ont.) (C.N.C.)]

*Cryptus scutellatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 69. ♀. [des., Ont.] Lapsus for *Cryptus ornatus*, *Cryptus scutellatus* is preoccupied by Smith, 1858.

*Cryptus ornatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 360. [syn.]

*Cryptus ornatus* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Cryptus zoesmairi* Dalla Torre, Cat. Hymen., 1902, 3: 595. [new name for *Cryptus scutellatus* Prov.]

*Agrothereutes* (*Habrocryptus*) *graenicheri* Viereck, Ent. News, 1904, 15: 333. ♀. [o.d., host a, Milwaukee, Wis. (A.N.S.P.)] New synonymy.

*Habrocryptus graenicheri* Graenicher, Ent. News, 1905, 16: 43-49. [biol., host a, Wis.]

*Agrothereutes* (*Habrocryptus*) *graenicheri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [key]

*Cryptus ornatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

*Hoplocryptus ornatus* Walley, Canad. Ent., 1937, 69: 116. [syn.]

CERATINIDAE: a, *Ceratina dupla*.

**Gambrus sordidus** (Provancher) new combination

*Cryptus sordidus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 67. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Cryptus extrematus* (!) Davis, Canad. Ent., 1895, 27: 288. [syn. (in part)]

**Gambrus tunicularubra** (Fyles) new combination

*Trychosis tunicula-rubra* Fyles, Canad. Ent., 1896, 28: 148-150. ♂, ♀. [o.d., biol., host a, (?Levis, Que.)] An authentic specimen, possibly the type, is in the U.S.N.M.)

*Trychosis tunicula-rubra* Fyles, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 73. [fig., biol.]

*Trychosis tunicula-rubra* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

GELECHIIDAE: a, *Gnorimoschema gallaeasteriella*.

**Gambrus ultimus** (Cresson) new combination

*Cryptus ultimus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 305. ♀. [o.d., Colo. (A.N.S.P.)]

*Cryptus incertus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 306. ♀. [o.d., Del. (A.N.S.P.)] Preoccupied by Ratzeburg, 1852. New synonymy.

*Cryptus ultimus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

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- Cryptus incertus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. [des., Tex.]  
*Cryptus ultimus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 83. ♀. [des.]  
*Phygadeuon longicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 52.  
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.  
*Hemiteles annulicornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 403. ♀.  
 [key, o.d., Tex. (U.S.N.M.)] New synonymy.  
*Cryptus ultimus* Riley and Howard, Insect Life, 1890, 1: 154. [host *e*, Mo.]  
*Cryptus incertus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]  
*Cryptus incertus* Davis, Canad. Ent., 1895, 27: 287. [syn., des.]  
*Cryptus ultimus* Harrington, Canad. Ent., 1897, 29: 44. ♂. [B.C.]  
*Spilocryptus incertus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
 [N.Y.]  
*Cryptus incertus* Nason, Ent. News, 1905, 16: 150. [Ill.]  
*Agrothereutes (Alloccryptus) hyslopi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 333. (♀). [o.d. in key, Stonington, Conn. (Conn. Agr. Exp.  
 Sta.)] New synonymy.  
*Spilocryptus exannulatus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 529. ♂,  
 ♀. [o.d., host *c*, North East, Pa. (U.S.N.M.)] New synonymy.  
*Hoplocryptus incertulus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [new  
 name for *Cryptus incertus* Cresson]  
*Cryptus incertus* Lewis, Jour. Econ. Ent., 1925, 18: 611. [host *a*] ·  
*Hoplocryptus incertulus* Dunnam, Jour. Agr. Res., 1927, 34: 154. [host *a*, Ia.]  
*Hoplocryptus incertulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
 101: 931. [N.Y.]  
*Hoplocryptus incertulus* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host  
*b*, N.J.]  
*Gambrus incertus* Balduf, Ohio Jour. Sci., 1929, 29: 235. [des., biol., host *d*,  
 Ill.]  
*Cryptus hyslopi* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:  
 100. [Mass.]  
*Hoplocryptus incertulus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,  
 no. 2: 101. [Mass.]  
*Hoplocryptus incertulus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *b*, N.J.]  
*Hoplocryptus incertulus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152.  
 [Ia.]  
*Spilocryptus exannulatus* Fink, Jour. Agr. Res., 1932, 44: 555, 556. [fig., biol.,  
 host *a*, N.J.]  
*Hoplocryptus incertulus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187:  
 14-16. [host *b*, N.Y.]  
*Hoplocryptus incertulus* McConnell, Jour. Econ. Ent., 1932, 25: 368, 369. [host  
*a b*, Md.]  
*Hoplocryptus incertulus* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host *b*,  
 Mich.]  
*Hoplocryptus incertulus* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441,  
 445. [host *b*, Md.]



*Hoplocryptus incertulus* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 33-35. [biol., host *a*, Del.]

*Agrothereutes hyslopi* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host *b*, Conn.]

*Hoplocryptus incertulus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

*Cryptus rufus* Brimley, Insects of N.C., 1938, p. 407. [N.C.] Misdetermined.

*Spilocryptus hyslopi* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]

*Hoplocryptus incertulus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

OLETHREUTIDAE: *a*, *Ancylics complana*; *b*, *Grapholitha molesta*; *c*, *Polychrosis viteana*.

PYRAUSTIDAE: *d*, *Phlyctaenia tertialis*. TENTHREDINIDAE: *e*, *Euura salicisnodus*.

### AGROTHEREUTES Foerster

*Agrothereutes* Foerster, Wiegmann's Arch. Naturg., 1850, 16, pt. 1: 71.

Genotype: *Pezomachus abbreviator* Gravenhorst.

*Spilocryptus* Thomson, Opusc. Ent., 1873, 5: 472, 501. New synonymy.

Genotype: *Spilocryptus zygaenarum* Thomson.

***Agrothereutes cimbcivorus*** (Cushman) new combination

*Spilocrpytus* (!) *cimbcivorus* Cushman, Proc. U. S. Nat. Mus., 1925, 64, art. 4: 8. ♂, ♀. [o.d., host *a*, Brookings, S.D. (U.S.N.M.)]

*Spilocryptus cimbcivorus* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

CIMBICIDAE: *a*, *Cimbex americana*.

***Agrothereutes iridescens*** (Cresson) new combination

*Cryptus iridescens* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 296. ♂. [o.d., Del. (A.N.S.P.)]

*Cryptus soror* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 296. ♂. [o.d., Del. (A.N.S.P.)] Preoccupied by Trentepol, 1829. New synonymy.

*Cryptus iridescens* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [des.]

*Cryptus albonotatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 75. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Cryptus soror* Davis, Canad. Ent., 1895, 27: 287. [syn. (in part)]

*Cryptus albonotatus* Davis, Canad. Ent., 1895, 27: 290. [syn.]

*Cryptus iridescens* Dalla Torre, Cat. Hymen., 1902, 3: 576. [syn. (in part)]

*Cryptus soror* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Spilocryptus propodeum* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. ♂. [o.d., host *a*, North East, Pa. (U.S.N.M.)] New synonymy.

*Spilocryptus albonotatus* Walley, Canad. Ent., 1937, 69: 116. [syn.]

*Cryptus iridescens* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OLETHREUTIDAE: *a*, *Polychrosis viteana*.

***Agrothereutes lophyri*** (Norton)

*Cryptus Lophyri* Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. ♂, ♀. [o.d., host *b*, Conn. (A.N.S.P.)]

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*Agrothereutes (Itamoplex) lophyri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key]

*Cryptus lophyri* Hartley, Jour. Econ. Ent., 1923, 16: 387. [host *a*, Pa.]

*Spilocryptus lophyri* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

*Spilocryptus lophyri* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

DIPRIONIDAE: *a*, *Diprion similis*; *b*, *Neodiprion abietis*.

***Agrothereutes major* (Davis) new combination**

*Aptesis major* Davis, Ent. News, 1893, 4: 32. ♀. [o.d., Agricultural College, Mich. (Mich. State College)]

*Agrothereutes microalatus* Cushman, Proc. U.S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., New England (U.S.N.M.)] New synonymy.

*Agrothereutes slossonae* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.

*Agrothereutes slossonae* Gillespie, Bull. Me. Forest Service, 1932, 7: 15. [host *a*, Me.]

*Agrothereutes slossonae* Pierson and Brown, Bull. Me. Forest Service and Me. Hardwood Ass., 1936, 11: 28, 29. [host *c*, Me.]

*Agrothereutes slossonae* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [host *c*, Me.]

*Agrothereutes slossonae* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host *b*, Conn., N.B.]

*Agrothereutes slossonae* Pierson and Nash, Bull. Me. Forest Service, 1940, 12: 16. [host *b*, Me.]

COLEOPHORIDAE: *a*, *Coloephora salmani*. DIPRIONIDAE: *b*, *Diprion hercyniae*. TENTHREDINIDAE: *c*, *Phyllotoma nemoralis*.

***Agrothereutes neodiprionis* (Cushman) new combination**

*Spilocryptus neodiprionis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 393. ♂, ♀. [o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

*Spilocryptus neodiprionis* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

***Agrothereutes rufopectus* Cushman**

*Agrothereutes rufopectus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 4. ♀. [key, o.d., Bilby, Alta. (U.S.N.M.)]

***Agrothereutes similis* (Provancher) new combination**

*Phygadeuon similis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 57. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Cryptus soror* Davis, Canad. Ent., 1895, 27: 287. [syn. (in part), des.]

**ISCHNUS** Gravenhorst

*Ischnus* Gravenhorst, Ichneum. Europeae, 1829, 1: 638.

Genotype: *Ichneumon porrectorius* Fabricius.

*Habrocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 498.

Genotype: *Ichneumon porrectorius* Fabricius.

*Erythrocryptus* Cameron, Invertebrata Pacifica, 1905, 1: 126. New synonymy.

Genotype: *Erythrocryptus rufus* Cameron

**Ischnus atriceps** (Cresson) new combination

*Cryptus atriceps* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♀. [o.d., Great Salt Lake, Ut. (A.N.S.P.)]

*Gambrus atriceps* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]

?*Erythrocryptus rufus* Cameron, Invertebrata Pacifica, 1903, 1: 126. ♀. [o.d., mountains near Claremont, Calif. (British Mus.)] New synonymy.

*Gambrus venablesi* Viereck, Canad. Ent., 1924, 56: 65. ♀. [o.d., Vernon, B.C. (C.N.C.)] New synonymy.

**Ischnus atricollaris** (Walsh)

*Cryptus atricollaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 72. ♂, ♀. [o.d., (?Ill.) (type destroyed)]

*Cryptus varius* Provancher, Nat. Canad., 1874, 6: 177, 200. ♂. [key, o.d., Que. (type lost)]

*Ischnus exilis* Provancher, Nat. Canad., 1875, 7: 111. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Cryptus exilis* Provancher, Nat. Canad., 1879, 11: 133; (Faune, p. 332). [key, des.]

*Cryptus atricollaris* Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 341). [key, syn., des.]

*Cryptus atricollaris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66. [key]

*Cryptus exilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

*Cryptus amblytelarius* Provancher, Addit. Faune Canada, Hymén., 1886, p. 70. ♂. [key, o.d., St. Angèle de Laval, Que. (M.P.Q.)] New synonymy.

*Cryptus atricollaris* Riley and Howard, Insect Life, 1890, 1: 154, [host *a*, Ill., Mo.]

*Cryptus atricollaris* var. Slosson, Ent. News, 1895, 6: 5. [N.H.]

*Cryptus exilis* Slosson, Ent. News, 1897, 8: 237. [N.H.]

*Spilocryptus neomexicana* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Cryptus atrocollaris* (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Spilocryptus atricollaris* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

- Spilocryptus atricollaris* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Cryptus amblytelarius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]  
*Spilocryptus exilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]  
*Ischnus exilis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Spilocryptus atricollaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]  
*Cryptus exilis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]  
*Ischnus amblytelarius* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]  
*Ischnus atricollaris* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]

Miscellaneous: a, ?leaf roller on plum.

***Ischnus fraterculus* (Provancher) new combination**

- Phygadeuon fraterculus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 55.  
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]  
*Cryptus fraterculus* Davis, Canad. Ent., 1895, 28: 287. [syn.]  
*Spilocryptus polychrosidis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 461.  
 ♂, ♀. [o.d., host b, North East, Pa. (U.S.N.M.)] New synonymy.  
*Spilocryptus polychrosidis* Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host b, Mich.]  
*Spilocryptus polychrosidis* Dunnam, Jour. Agr. Res., 1927, 34: 154. [host a, Ia.]  
*Spilocryptus polychrosidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 930. [N.Y.]  
*Spilocryptus polychrosidis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]  
*Ischnus polychrosidis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. [syn.]  
*Cryptus fraterculus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

OLETHREUTIDAE: a, *Ancyliis comptana*; b, *Polychrosis viteana*.

***Ischnus oregonensis* Cushman**

- Ischnus oregonensis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 392. ♂, ♀.  
 [o.d., host a, Sweet Home, Ore. (U.S.N.M.), Mont.]  
*Ischnus oregonensis* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.  
 [biol., host a, Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

***Ischnus pinguis* (Provancher) new combination**

- Phaeogenes pinguis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 43.  
 ♀. [key, o.d., Ottawa, Ont. [C.N.C.]]  
*Cryptus pinguis* Davis, Canad. Ent., 1895, 27: 287. [des.]

***Ischnus triannulatus* (Provancher) new combination**

- Phygadeuon 3-annulatus* Provancher, Nat. Canad., 1882, 13: 335, 355; (Faune, p. 777). ♀. [o.d., Que. (M.P.Q.)]

*Phygadeuon 3-annulatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 45. [key]

?*Cryptus 3-annulatus* Provancher, Addit. Faune Canada, Hymén. 1886, p. 74.

♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Cryptus?* *3-annulatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

*Ischnus triannulatus* Walley, Canad. Ent., 1937, 69: 116. [syn.]

### CHROMOCRYPTUS Ashmead

*Chromocryptus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 41.

Genotype: (*Chromocryptus albopictus* Ashmead) = *planosae* Fitch.

*Mesostenimorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566.

Genotype: (*Cryptus nebraskensis* Ashmead) = *planosae* Fitch.

#### **Chromocryptus planosae** (Fitch)

*Phygadeuon Planosae* Fitch, Trans. N.Y. State Agr. Soc., 1856, 15: 501. [o.d., host *b*, N.Y. (U.S.N.M.)]

*Cryptus nebraskensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 412. ♀. [key, o.d., West Point, Neb. (U.S.N.M.)]

*Cryptus bellus* Riley and Howard, Insect Life, 1890, 1: 154. [host *c*, N.Y.] *Nomen nudum*.

*Chromocryptus albopictus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 41. [o.d. in key, (Urbana, Ill.) (U.S.N.M.)]

*Phygadeuon planosae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Mesostenimorpha nebraskensis* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 566. [syn.]

*Agrothereutes (Itamoplex) cressoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. (♀). [o.d. in key, (Conn.) (A.N.S.P.)] New synonymy.

*Phygadeuon planosae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 336. [key, des.]

*Chromocryptus albopictus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 254. [des., Ill.]

*Chromocryptus nebraskensis* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 7. [syn., host *c*, Conn., N.Y., Pa.]

*Chromocryptus nebraskensis* Champlain, Psyche, 1922, 29: 99. [host *c*, Pa.]

*Chromocryptus planosae* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Chromocryptus planosae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [host *b c*, N.Y.]

*Chromocryptus nebraskensis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *a*, Conn., Mass.]

LASIOCAMPIDAE: *a*, *Epicnaptera americana*; *b*, *Tolyte laricis*, *c*, *Tolyte vellida*.

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**LYMEON** Foerster

*Lymeon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 176.

Genotype: (*Lymeon annulicornis* Ashmead) = *orbum* Say.

*Diapetimorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 564.

Genotype: (*Cryptus armatus* Ashmead) = *introitum* Cresson.

**Lymeon acadia** (Cushman) new combination

*Diapetimorpha acadia* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 35.

♂, ♀. [key, o.d., La. (U.S.N.M.), Ala., D.C., Ky., N.C., Tex.]

*Diapetimorpha acadia* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

**Lymeon alabama** (Cushman) new combination

*Diapetimorpha alabama* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 34.

♂, ♀. [key, o.d., Pyziton, Clay Co., Ala. (U.S.N.M.), Md., N.Y.]

*Diapetimorpha alabama* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

**Lymeon cinctiventris** (Cushman) new combination

*Mesostenus laticinctus* Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., La.

(A.N.S.P.)] Preoccupied by Walker 1874.

*Mesostenus laticinctus* Foster, Proc. La. Soc. Nat. for 1897-1899, 1900, p. 63.

[La.]

*Mesostenus cressonii* Dalla Torre, Cat. Hymen., 1901, 3: 539. [new name for

*Mesostenus laticinctus* Cresson] Preoccupied by Ashmead, 1900.

*Diapetimorpha cinctiventris* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16:

32. ♀. [key, des., S.C. new name for *Mesostenus laticinctus* Cresson]

**Lymeon confederatus** (Cushman) new combination

*Diapetimorpha confederata* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16:

34. ♀. [key, o.d., Dallas, Tex. (U.S.N.M.), Fla.]

**Lymeon introitus** (Cresson) new combination

*Mesostenus introitus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♂. [o.d.,

Bosque Co., Tex. (U.S.N.M.)]

*Mesostenus dejectus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. ♀. [o.d.,

Comal Co., Tex. (A.N.S.P.)]

*Cryptus armatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♂. [key,

o.d., Tex. (U.S.N.M.)] Preoccupied by Lucas, 1846.

*Cryptus ashmeadii* Dalla Torre, Cat. Hymen., 1902, 3: 562. [new name for

*Cryptus armatus* Ashmead]

*Diapetimorpha armatus* Viereck, Proc. U. S. Nat. Mus., 1913, 44: 565. [syn.]

*Diapetimorpha introita* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 5,

36. ♂, ♀. [key, syn., des., fig., La., Tex.]

**Lymeon orbis** (Say) new combination

*Cryptus orbis* Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed. 2: 688).

(♀). [Ind. (type destroyed)]

- Hemiteles orbus* Walsh, Canad. Ent., 1869, 2: 9. [syn.]  
*Mesostenus diligens* Cresson, Canad. Ent., 1878, 10: 207. ♀. [o.d., Ill. (A.N.S.P.)]  
*Lymeon annulicornis* Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)]  
*Crypturoopsis annulicornis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 521. [des.]  
*Crypturoopsis diligens* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 521. [syn.]  
*Crypturoopsis orbus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 162. [syn., host *e*, Md.]  
*Diapetimorpha orba* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 5, 30. ♂, ♀. [key, syn., des., fig., host *a c d*, Ala., Ga., La., Md., Mo., Tex., Va.]  
*Diapetimorpha orba* Haeussler, Jour. Agr. Res., 1930, 41: 366. [host *c e*, Va.]  
*Cryptieropsis* (!) *orbus* Creighton, Jour. Econ. Ent., 1937, 30: 595. [host *b*, Fla.]  
*Diapetimorpha orba* Brimley, Insects of N.C., 1938, p. 407. [N.C.]  
 COLEOPHORIDAE: *a*, *Coleophora* sp. on *Polygonum* sp. MOMPIDAE: *b*, *Homaledra sabelella*. OLETHREUTIDAE: *c*, *Grapholitha molesta*. GNAPHOSIDAE: *d*, eggs of *Zelotes* sp. Miscellaneous: *e*, spider's eggs.

***Lymeon rufigaster*** (Cushman) new combination

- Diapetimorpha rufigaster* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 33. ♀. [key, o.d. Potomac Cr., Va. (U.S.N.M.)]

**ACERASTES** Cushman

- Acerastes* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 53.  
 Genotype: *Mesostenus pertinax* Cresson.

***Acerastes pertinax*** (Cresson)

- Mesostenus pertinax* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]  
*Acerastes pertinax* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 5, 54. [des., fig., Mexico, Tex.]

**POLISTIPHAGA** Cushman

- Polistiphaga* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.  
 Genotype: *Mesostenus arvalis* Cresson.

***Polistiphaga fulva*** (Cresson)

- Mesostenus? fulvus* Cresson, Proc. Ent. Soc., Phila., 1864, 3: 316. ♂. [o.d., Ill. (A.N.S.P.)]  
*Mesostenus arvalis* Cresson, Trans. Amer. Ent. Soc., 1872, 14: 163. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]  
*Mesostenus collaris* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 162. ♂. [key, o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

- Mesostenus arvalis* Riley and Howard, Insect Life, 1890, 1: 153. [host *f*, Kans., Tex.]
- Mesostenus arvalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [host *f*]
- Mesostenidea* (*Christolia*) *arvalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329, 330. [key, host *c*]
- Polistiphaga arvalis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Polistiphaga arvalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]
- Polistiphaga fulva* Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 5, 55. [key, des., fig., host *f*, Ark., Calif., Ill., Kans., Md., N.Y., Ont., Tex., Va., Wis.]
- Christelia* (!) *arvalis* Rau, Psyche, 1931, 38: 144. [host *d*, Mo.]
- Polistiphaga fulva* Rau, Bull. Brooklyn Ent. Soc., 1931, 26: 114. [host *e*, Ill.]
- Polistiphaga fulva* Dow, Psyche, 1932, 39: 16. [biol., host *c*, N.Y.]
- Polistiphaga fulva* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Polistiphaga arvalis* Gaul, Canad. Ent., 1940, 72: 240-242. [biol., host *b c*, parasite *a*, N.J., N.Y.]
- Polistiphaga fulva* Rau, Ann. Ent. Soc. Amer., 1941, 34: 364. [biol., host *a c d*, Mo.]

VESPIDAE: *a*, *Polistes canadensis annularis*; *b*, *Polistes fuscatus*; *c*, *Polistes fuscatus pallipes*; *d*, *Polistes fuscatus rubiginosus*; *e*, *Polistes fuscatus variatus*; *f*, *Polistes* sp.

Parasite: CHALCIDIDAE: *a*, *Dibrachys cavus*.

***Polistiphaga stupida* (Cresson) new combination**

- Mesostenus stupidus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 159. ♀. [key, o.d., Orizaba, Mexico (A.N.S.P.)]
- Polistiphaga zonata* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 56. ♀. [key, o.d., fig., host *a*, Victoria, Tex. (U.S.N.M.)] New synonymy.
- VESPIDAE: *a*, *Polistes* sp.

**CHRISTOLIA** Brullé

- Christolia* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 246.
- Genotype: *Christolia punctata* Brullé.
- Crypturopsis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45. New synonymy.
- Genotype: *Crypturus texanus* Ashmead.
- Lamprocryptidea* Viereck, Proc. U. S. Nat. Mus. 1913, 46: 376. New synonymy.
- Genotype: *Lamprocryptidea magnifica* Viereck.
- Haplomus* Szépligeti, Ann. Mus. Nat. Hungary, 1916, 14: 283. Preoccupied by Agassiz, 1846. New synonymy.
- Genotype: *Haplomus pulcher* Szépligeti. (by present designation).
- Applomiana* Strand, Int. Ent. Ztschr., 1917, 10: 137, [new name for *Haplomus* Szépligeti].



**Christolia armata** (Provancher) new combination

*Mesostenus armatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 76.

♀. [o.d., Ottawa, Ont. (C.N.C.)]

*Mesostenus* (*Otacustes*) *armatus* Davis, Canad. Ent., 1895, 27: 288. [syn., des.]

*Crypturopsis?* *armatus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 26, 29. ♀. [key, des.]

**Christolia audax** (Cresson) new combination

*Mesostenus candidus* Cresson, Canad. Ent., 1878, 10: 206. ♂. [o.d., N.Y. (A.N.S.P.)] New synonymy.

*Mesostenus audax* Cresson, Canad. Ent., 1878, 10: 207. ♀. [o.d., Ga. (A.N.S.P.)]

*Mesostenus exaptus* Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., Mass. (A.N.S.P.)]

*Crypturus albomaculatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 414. ♂. [o.d., Mich. (U.S.N.M.)]

*Crypturus albomaculatus* Ashmead, Canad. Ent., 1897, 29: 114. ♂. [key]

*Mesostenus candidus* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Endurus albomaculatus* Dalla Torre, Cat. Hymen., 1901, 3: 528. [syn.]

*Mesostenidea exapta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329. [key]

*Mesostenidea candida* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

*Crypturopsis candidus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Crypturopsis candidus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Crypturopsis audax* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 25. ♀. [key, des., fig., Ala., Md., N.J., Pa., Va.]

*Crypturopsis candidus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 27. ♂. [key, des., Fla., Mass.]

*Crypturopsis candidus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

**Christolia dumetorum** new name

*Crypturopsis abdominalis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 4, 28. ♀. [key, o.d., fig., Put-in-Bay, Ohio (U.S.N.M.)] Preoccupied in *Christolia* by Cresson, 1873.

*Crypturopsis abdominalis* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

**Christolia fortis** (Cresson) new combination

*Mesostenus fortis* Cresson, Canad. Ent., 1878, 10: 206. ♀. [o.d., N.Y. (A.N.S.P.)]

*Mesostenidea fortis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

*Crypturopsis fortis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

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*Crypturopsis fortis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Crypturopsis fortis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 28. ♂, ♀. [key, des., Pa.]

**Christolia saundersi** (Cresson) new combination

*Mesostenus saundersi* Cresson, Canad. Ent., 1878, 10: 208. ♀. [o.d., Canada West (A.N.S.P.)]

*Crypturopsis saundersi* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 26. [key, des.]

**Christolia texana** (Ashmead) New combination.

*Crypturus texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 413. ♂. [o.d., Tex. (U.S.N.M.)]

*Crypturus Dyari* Ashmead, Canad. Ent., 1897, 29: 113. ♂, ♀. [key, o.d., host *a.* (Fla.) (U.S.N.M.)]

*Crypturus texanus* Ashmead, Canad. Ent., 1897, 29: 113. ♂. [key]

*Crypturus dyari* Dyar, Jour. N.Y. Ent. Soc., 1897, 5: 126. [biol., host *a.* Fla.]

*Crypturopsis texanus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45. [syn.]

*Crypturopsis dyari* Dalla Torre, Cat. Hymen., 1901, 3: 536. [syn.]

*Crypturopsis texanus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 5, 24. ♂, ♀. [key, syn., des., fig., Ala., Fla., La., Tex.]

*Crypturopsis texanus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

LIMACODIDAE: *a.*, *Alarodia slossoniae*.

#### COMPSOCRYPTUS Ashmead

*Cryptoides* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42. New synonymy.

Genotype: *Cryptus purpuripennis* Cresson.

*Compsocryptus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43.

Genotype: *Cryptus calipterus* Say.

*Callicryptus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43. New synonymy.

Genotype: (*Cryptus fasciatus* (!) Brullé) = *fasciipennis* Brullé.

*Stictocryptus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 243. Preoccupied by Cameron 1907).

Genotype: (*Cryptus fasciatipennis* (!) Brullé) = *fasciipennis* Brullé.

**Compsocryptus buccatus** (Cresson)

*Cryptus buccatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Compsocryptus buccatus* Roman, Ent. Tidskr., 1910, 31: 153. [Tex.]

**Compsocryptus calipterus** (Say)

*Cryptus calipterus* Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 690). ♀. [o.d., "Mexico" (type destroyed)]

*Cryptus calipterus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 158. ♂, ♀. [des., Tex.]

- Cryptus calipterus* Cresson, Rpt. Wheeler Expl. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Ariz.]
- Cryptus calipterus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 362. [des., Calif., Ut.]
- Cryptus calipterus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 438. [syn. (in part)]
- Compsocryptus calipterus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 43. [syn.]
- Compsocryptus caliptera* Howard, The Insect Book, 1902, plate 10, fig. 26.
- Campsocryptus* (!) *brevicornis* Cameron, Invertebrata Pacifica, 1903, 1: 127. ♀. [o.d., Claremont, Calif. (?British Mus.)] New synonymy.
- Cryptus* (*Mansa*?) *politicalypterus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 293. ♂. [o.d., Bill Williams Fork, Ariz. (Univ. Kans.)] New synonymy.
- Cryptus* (*Callicryptus*) *calipterus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320. [des., Kans.]
- Cryptus sororius* Roman, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn. (in part)]
- Compsocryptus calipterus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn., des., Mexico, N.M., Tex.]

***Compsocryptus cestus* (Say)**

- Cryptus cestus* Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 691). ♀. [o.d., Ind. (type destroyed)]
- Compsocryptus?* *cestus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn.]

***Compsocryptus crotchii* (Cresson) new combination**

- Cryptus Crotchii* Cresson, Proc. Acad. Nat. Sci., Phila., 1878, p. 362. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

***Compsocryptus edwardii* (Cresson) new combination**

- Cryptus Edwardii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♀. [o.d., Calif. (A.N.S.P.)]

***Compsocryptus fasciipennis* (Brullé) new combination \***

- Cryptus fasciipennis* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 191. ♂, ♀. [o.d., Cuba (Paris Mus.)]

***Compsocryptus fletcheri* (Provancher) new combination**

- Cryptus Fletcheri* Provancher, Addit. Faune Canada, Hymén., 1888, p. 361. ♀. [o.d., Vancouver Is., B.C. (M.P.Q.)]
- Cryptus calipterus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 438. [syn. (in part)]
- Cryptus Fletcheri* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

\* In the Townes Collection is a male from Matacumbe Key, Fla., collected March 24, 1936 by W. G. Bodenstein.

**Compsocryptus purpuripennis** (Cresson) new combination

*Cryptus purpuripennis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 364. ♀.  
[o.d., Calif. (A.N.S.P.)]

*Cryptoides purpuripennis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42.  
[syn.] Based on misdetermined specimen.

*Cryptus purpuripennis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74.  
[Ut.]

**Compsocryptus resolutus** (Cresson) new combination

*Cryptus resolutus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♂.  
[o.d., Calif. (A.N.S.P.)]

*Cryptus resolutus* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

**Compsocryptus retentor** (Brullé)

*Cryptus retentor* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 192. ♀. [o.d.,  
Carolina (Paris Mus.)]

*Cryptus comalensis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♀. [o.d.,  
Comal Co., Tex. (A.N.S.P.)] New synonymy.

*Cryptus nigripennis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♀.  
[key, o.d., N.J. (U.S.N.M.)] New synonymy.

*Cryptus retentus* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
[N.Y., Pa.]

*Compsocryptus retentor* Rühl, Soc. Ent., 1924, 39: 44. [host a]

*Compsocryptus retentor* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Compsocryptus retentor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 931. [N.Y.]

*Cryptus retentor* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

MEGALOPYGIDAE: a, *Megalopyge opercularis*.

**Compsocryptus sororius** (Cresson) new combination

*Cryptus sororius* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 159. ♂. [o.d.,  
Bosque Co., Tex. (A.N.S.P.)]

*Cryptus sonorius* (!) Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]

*Cryptus sororius* Roman, Ann. Mag. Nat. Hist., 1914, (8), 14: 407. [syn. (in  
part)]

**Compsocryptus turbatus** (Cresson) new combination

*Cryptus turbatus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 363. ♀.  
[o.d., Calif. (A.N.S.P.)]

**CRYPTUS** Fabricius \*

*Cryptus* Fabricius, Syst. Piez., 1804, p. 70.

Genotype: *Cryptus viduatorius* Fabricius.

\* Preoccupied by Jurine 1801, but *Cryptus* Jurine 1801 has been set aside by the  
International Commission on Zoological Nomenclature in Opinion 135, 1939.

*Trachysphyrus* Haliday, Trans. Linn. Soc. London, 1836, 17: 317. New synonymy.

Genotype: *Trachysphyrus imperialis* Haliday.

*Meringopus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Cryptus* (*Meringopus*) *palmipes* Kokujev.

*Itamoplex* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: (*Cryptus americanus* Cresson) = *albitarsis* Cresson.

*Goniocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 490.

Genotype: *Ichneumon titillator* Linnaeus.

*Hedycryptus* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 298.

Genotype: *Hedycryptus filicornis* Cameron.

*Cyanocryptus* Cameron, Ent., 1903, 36: 121. New synonymy.

Genotype: *Cyanocryptus metallicus* Cameron.

*Steriphocryptus* Cameron, Ent., 1903, 36: 233.

Genotype: *Steriphocryptus luteus* Cameron.

*Lamprocryptus* Cameron, Trans. Amer. Ent. Soc., 1910, 35: 435-436. Preoccupied by Schmiedeknecht, 1904.

Genotype: *Cryptus kinbergi* Holmgren.

### ***Cryptus albitarsis albitarsis* (Cresson)**

*Ichneumon vinctus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 70; (Leconte Ed. 1: 375). ♂. [o.d. (type destroyed).] Preoccupied by Schrank, 1781.

*Ischnus albitarsis* Cresson, Proc. Ent. Soc. Phila., June 1864, 3: 194. ♂. [o.d., Ill. (A.N.S.P.)]

*Cryptus americanus* Cresson, Proc. Ent. Soc. Phila., Sept. 1864, 3: 297. ♀. [o.d., Ill. (A.N.S.P.)]

*Cryptus americanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

*Cryptus americanus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [syn. desc.]

*Cryptus nigricalceatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 77. ♂. [o.d., (?Ill.) (type destroyed)] New synonymy.

*Cryptus albitarsis* var. *nigricalceatus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 77. [syn.]

*Cryptus? albitarsis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 76. ♂. [des.]

*Cryptus americanus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 79. ♀. [des.]

*Cryptus americanus* Provancher, Nat. Canad., 1874, 6: 177, 202. [key, des., Que.]

*Cryptus nigricornis* Provancher, Nat. Canad., 1874, 6: 177, 201. ♂. [key, o.d., Que. (M.P.Q.)] Preoccupied by Brullé, 1846.

*Mesostenus tarsatus* Provancher, Nat. Canad., 1875, 7: 265, 267. ♂. [key, o.d., Que. (type lost)] Preoccupied by Cresson, 1865.

*Nematopodius coxatus* Provancher, Nat. Canad., 1875, 7: 269. ♂. [key, o.d., Que. (type lost)]

*Ichneumon vinctus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

- Cryptus albitarsis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [syn.]
- Hoplismenus impar* Provancher, Nat. Canad., 1879, 11: 3; (Faune, p. 292). ♀ (not ♂). [key, o.d., Que. (M.P.Q.)] New synonymy.
- Cryptus americanus* Provancher, Nat. Canad., 1879, 11: 135; (Faune, p. 333). ♂, ♀. [key, syn., des.]
- Cryptus nigricornis* Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338). [key, des.]
- Cryptus Americanus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63, 66. [key]
- Cryptus nigricornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]
- Cryptus americanus* Riley and Howard, Insect Life, 1890, 1: 153. [host *d e*, Colo., Ill., Tex., Va.]
- Cryptus americanus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Cryptus americanus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Cryptus nigricalceatus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Cryptus impar* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]
- Spilocryptus canarsiae* Ashmead, Proc. Ent. Soc. Wash., 1897, 4: 124. ♂. [o.d., fig., host *c*, Champaign, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.
- Cryptus americanus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Cryptus americanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J.]
- Itamoplex americanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J., N.Y.]
- Itamoplex nigricornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.Y.]
- Cryptus purneri* Dalla Torre, Cat. Hymen., 1902, 3: 585. [new name for *Cryptus nigricornis* Provancher]
- Cryptus americanus* Howard, The Insect Book, 1902, plate 10, fig. 2.
- Cryptus albitarsis* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Cryptus americanus* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Cryptus nigricornis* Nason, Ent. News, 1905, 16: 150. [Ill.]
- Cryptus vinctus* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Cryptus (Itamoplex) americanus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320. [Kans.]
- Cryptus albitarsis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 183. [des., Kans.]
- Cryptus albitarsus* (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Cryptus americanus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630. [N.J.]
- Cryptus americanus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Agrothereutes (Itamoplex) americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key, Conn.]
- Cryptus americanus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Itamoplex vinctus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]

- Itamoplex vinctus* Champlain, Psyche, 1922, 29: 99. [host *a*, Pa.]  
*Cryptus vinctus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]  
*Itamoplex americanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]  
*Cryptus vinctus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]  
*Spilocryptus canarsiae* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]  
*Cryptus vinctus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]  
*Itamoplex americanus* Viereck, Bull. N.Y. State Mus., 1928, 274: 189. [N.Y.]  
*Cryptus vinctus* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *b*, N.J.]  
*Cryptus vinctus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]  
*Cryptus vinctus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]  
*Cryptus vinctus* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]  
*Cryptus vinctus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]  
*Cryptus americanus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]  
*Cryptus vinctus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]  
 AGERIIDAE: *a*, *Sanninoidea exitiosa*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.  
 PHYCITIDAE: *c*, *Psorosina hammondi*. ARCTIIDAE: *d*, *Isia isabella*. NYMPHALIDAE: *e*,  
*Polygonia comma*.

***Cryptus albitarsis coloradensis* (Ashmead) new combination**

- Cryptus coloradensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 408. ♀. [key, o.d., Powder River, Colo. (U.S.N.M.)]  
*Cryptus consobrinus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)] New synonymy.  
*Cryptus coloradensis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Cryptus altonii* Dalla Torre**

- Cryptus proximus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 290. ♀. [o.d., Colo. (A.N.S.P.)] Preoccupied by Fonscolombe, 1850.  
*Cryptus proximus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [des., Colo.]  
*Cryptus robustus* Provancher, Nat. Canad., 1874, 6: 178. [key, Que.] Mis-determined.  
*Cryptus proximus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [des., B.C.]  
*Cryptus proximus* Provancher, Nat. Canad., 1879, 11: 131; (Faune, p. 330). [key, des.]  
*Cryptus proximus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]  
*Cryptus proximus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]  
*Cryptus proximus* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

- Cryptus proximus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Cryptus proximus* Ashmead, Psyche, 1901, 9: 147. [Alaska, B.C., Calif., Colo., N.M.]  
*Cryptus altonii* Dalla Torre, Cat. Hymen., 1902, 3: 560. [new name for *Cryptus proximus* Cresson]  
*Cryptus proximus* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [B.C.]  
*Cryptus altoni* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]  
*Cryptus altonii* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Cryptus altoni* (!) Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *a*, Ut.]  
 Miscellaneous: *a*, tent caterpillar.

***Cryptus arcticus* Schiödte**

- Cryptus arcticus* Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse af Grønland, 1857, p. 59. ♂, ♀. [o.d., Greenland (location of type unknown)]  
*Cryptus arcticus* Schiödte, Berlin. Ent. Ztschr., 1859, 3: 144. Translation of o.d.  
*Cryptus arcticus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 99. [Greenland]  
*Cryptus sponsor* Gerstäcker, Zweite Deutsche Nordpolarfahrt, 1869–70, 1874, 2: 404. Misdetermined.  
*Cryptus arcticus*? MacLachlan, Jour. Linnean Soc., 1878, Zool., 14: 107. [Greenland]  
*Cryptus arcticus* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31. ♀. [fig., Greenland]  
*Cryptus arcticus* Lundbeck, Meddel. om Grønland, 1895, 19: 109. [Greenland]  
*Cryptus arcticus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896) 1897, p. 224. [Greenland]  
*Cryptus arcticus* Nielsen, Meddel. om Grønland, 1907, 19: 384. [host *a*, Greenland]  
*Cryptus arcticus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. [syn.]  
*Cryptus arcticus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [des., Greenland]  
*Cryptus arcticus* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6. [Greenland]  
*Cryptus arcticus* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 607. [Greenland]  
*Cryptus arcticus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 539. [Greenland]  
 Miscellaneous: *a*, lepidopteran.

***Cryptus dirus* Cresson**

- Cryptus dirus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [o.d., Calif. (A.N.S.P.)]



- Cryptus violaceipennis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 408. ♂, ♀. [key, o.d., Colo. (U.S.N.M.)] Preoccupied by Brullé 1846. New synonymy.  
*Cryptus nitschei* Dalla Torre, Cat. Hymen., 1902, 3: 581. [new name for *Cryptus violaceipennis* Ashmead]

***Cryptus iroquois* (Viereck) new combination**

- Agrothereutes (Itamoplex) iroquois* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 333. [o.d. in key, N.Y. (A.N.S.P.)]

***Cryptus laborator fabricii* Schiödte**

- Ichneumon moderator* Fabricius, Fauna Groenlandica, 1780, p. 198. [des., Greenland] Misdetermined.  
*(Ichneumon laborator* Thumberg, Mém. Acad. Sci. Pétersbourg, 1822, 8: 273. [o.d., (?Sweden) (Uppsala Mus.)])  
*Ichneumon moderator* (of Fabricius) Gravenhorst, Ichneum. Europeae, 1829, 3: 992. [des.]  
*Cryptus Fabricii* Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse af Grønland, 1857, p. 62. ♂, ♀. [o.d., Greenland (location of type unknown)]  
*Cryptus Fabricii* Schiödte, Berlin. Ent. Ztschr., 1859, 3: 147. Translation of o.d.  
*Cryptus Fabricii* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 99. [Greenland]  
*Cryptus fabricii* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31. ♀. [fig., Greenland]  
*Cryptus Fabricii* Lundbeck, Vidensk. Medd. Nat. For. København (1896), 1897, p. 225. [Greenland]  
*Cryptus Fabricii* Vanhöffen, in Drygalski: Grönland Exped. des Ges. fuer Erkunde Berlin, 1897, 2, pt. 1: 156.\*  
*Cryptus Fabricii* Nielsen, Meddel. om Grønland, 1907, 29: 385. [Greenland]  
*Cryptus Fabricii* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 524. [syn., Greenland]  
*Cryptus laborator fabricii* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 283. [des.]  
*Cryptus laborator* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6. [Greenland]

***Cryptus leucopus* Ashmead**

- Cryptus leucopus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 409. ♂. [key, o.d., Colo. (U.S.N.M.)]

***Cryptus luctuosus* Cresson**

- Cryptus luctuosus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 290. ♀. [o.d., Colo. (A.N.S.P.)]

\* Reference not seen.

*Cryptus luctuosus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

*Cryptus luctuosus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 71. ♂.  
[key, des., Ont.]

*Cryptus luctuosus* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Cryptus luctuosus* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Cryptus luctuosus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

*Agrothereutes (Itamoplex) ebenus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 333. (♀). [o.d. in key, Mass. (A.N.S.P.), N.H.] New syn-  
onymy.

*Cryptus caligatus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 2. ♀.  
[o.d., Calgary, Alta. (U.S.N.M.)] New synonymy.

***Cryptus pacificus* Cresson**

*Cryptus pacificus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 361. ♂.  
[o.d., Calif. (A.N.S.P.)]

***Cryptus perplexus* Cresson new combination**

*Cryptus proximus* var. *perplexus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p.  
359. ♀. [o.d., Calif. (A.N.S.P.)]

*Cryptus altonii* var. *perplexus* Dalla Torre, Cat. Hymen., 1902, 3: 560. [syn.]

***Cryptus persimilis* Cresson**

*Cryptus persimilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 298. ♀. [o.d.,  
Del. (A.N.S.P.)]

*Cryptus persimilis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 79. ♀. [des.]

*Cryptus picticoxus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 82. ♂. [o.d.,  
(?Ill.) (type destroyed)] New synonymy.

*Cryptus persimilis* Provancher, Nat. Canad., 1874, 6: 177, 203. ♀. [key, des.,  
Que.]

*Cryptus mundus* Provancher, Nat. Canad., 1874, 6: 177, 203. ♂. [key, o.d.,  
Que. (M.P.Q.)] New synonymy.

*Cryptus persimilis* Provancher, Nat. Canad., 1879, 11: 136; (Faune, p. 335).  
[key, des.]

*Cryptus mundus* Provancher, Nat. Canad., 1879, 11: 137; (Faune, p. 336).  
[key, des.]

*Cryptus persimilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 63.  
[key]

*Cryptus mundus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]

*Cryptus mundus* Riley and Howard, Insect Life, 1890, 1: 154. [host a]

*Cryptus persimilis* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Cryptus persimilis* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

*Itamoplex persimilis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
[N.J.]

*Cryptus persimilis* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Cryptus mundus* Nason, Ent. News, 1905, 16: 150. [Ill.]

*Cryptus citrinimaculatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 320. ♂.  
[o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

*Agyothereutes mundus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 332. [key, Conn.]

*Cryptus persimilis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]

*Cryptus persimilis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 390. [syn.]

*Cryptus persimilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 141. [Me.]

*Cryptus persimilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

*Cryptus persimilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 100. [Mass.]

*Cryptus persimilis* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

*Cryptus persimilis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

CRAMBIDAE: a, *Crambus vulgivagellus*.

### ***Cryptus punicus* Cresson**

*Cryptus punicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 364. ♀. [o.d., Calif. (A.N.S.P.), B.C., Wash.]

*Cryptus californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 411. ♀.  
[key, o.d., Placer Co., Calif. (U.S.N.M.)] New synonymy.

*Cryptus punicus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570.  
[N.J.]

### ***Cryptus relativus* Cresson**

*Cryptus relativus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 359. ♀. [o.d., B.C. (A.N.S.P.)]

*Cryptus pictifrons* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 360. ♂.  
[o.d., Green River, Wyoming Territory (A.N.S.P.)] New synonymy.

*Cryptus relativus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [B.C.]

*Cryptus relativus* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

### ***Cryptus robustus* Cresson**

*Cryptus robustus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 289. ♀. [o.d., Colo. (A.N.S.P.)]

*Cryptus crassicornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 292. ♂. [o.d., Colo. (A.N.S.P.)]

*Cryptus robustus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

*Cryptus crassicornis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

*Cryptus robustus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 72. [syn., Colo.]

*Cryptus robustus* Carpenter, Ann. Rpt. U. S. Geol. Geogr. Surv. Terr. for 1873, 3: 541. [Colo.]

*Cryptus robustus* Provancher, Nat. Canad., 1882, 12: 361; (Faune, p. 783). ♀.  
[des., Que.]

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- Cryptus robustus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]  
*Cryptus robustus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 61. [key]  
*Cryptus robustus* Riley and Howard, Insect Life, 1894, 6: 376. [biol., host *a*, Colo.]  
*Cryptus robustus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Cryptus robustus* Harrington, Canad. Ent., 1897, 29: 44. [syn.]  
*Cryptus (Habrocryptus?) robustus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 290. [des., Colo.]  
*Cryptus robustus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]  
*Cryptus robustus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Cryptus robustus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

PHALAEINIDAE: *a*, cutworm.

***Cryptus tejonensis* Cresson**

- Cryptus tejonensis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 360. ♀. [o.d., Ft. Tejon, Calif. (A.N.S.P.)]  
*Itamoplex tejonensis* Lathrop and Black, Crop Pest and Hort. Rpt. Ore. Agr. Exp. Sta., 1921, 3: 63. [host *a*, Ore.]  
*Cryptus tejonensis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]  
*Cryptus tejonensis* Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host *b*]  
*Cryptus tejonensis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

AEGERIIDAE: *a*, *Sanninoidea opalescens*. PHALAEINIDAE: *b*, *Prodenia praefica*.

***Cryptus vancouverensis* Harrington**

- Cryptus vancouverensis* Harrington, Canad. Ent., 1894, 26: 211. ♀. [o.d., Victoria, B.C. (C.N.C.)]

***Cryptus viduatorius* Fabricius \***

- Cryptus viduatorius* Fabricius, Syst. Piez., 1804, p. 70. ♀. [o.d., "Moravia" (location of type unknown)]  
*Cryptus viduatorius* Kirby, in Richardson: Fauna Boreali Americana, 1837, 4: 259. [des., "N. America 54° N."]  
*Cryptus viduatorius* Morley, Ent., 1910, 43: 243. [Kirby's specimen not found in British Museum]

**PYCNOCRYPTUS Thomson**

- Pycnocryptus* Thomson, Opusc. Ent., 1873, 5: 471, 500.

Genotype: (*Ichneumon peregrinator* Gravenhorst) = *director* Thunberg.

\* Occurrence in the Nearctic Region needs confirmation.

**Pycnocryptus director** (Thunberg) \*

*Ichneumon director* Thunberg, Mem. Acad. Sci. St. Pétersbourg, 1822, 8: 270.

(♂). [o.d., Sweden (Upsala Mus.)]

*Pycnocryptus director* Roman, Zool. Bidrag Från Upsala, 1912, 1: 251. [syn.]

**LISTROGNATHUS** Tschek

*Listrognathus* Tschek, Verh. Zool.-Bot. Ges. Wien, 1870, 20: 153.

Genotype: *Listrognathus cornutus* Tschek.

*Mesostenoides* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45.

Genotype: *Mesotenus albomaculatus* Cresson.

**Listrognathus agnatus** Cushman

*Listrognathus agnatus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4,

21. ♀. [key, o.d., fig., southern Ill. (U.S.N.M.)]

**Listrognathus albomaculatus** var. **albomaculatus** (Cresson)

*Mesotenus albomaculatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 313. ♀.

[o.d., Pa. (A.N.S.P.)]

*Mesotenus leucocoxus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 407. ♂.

[o.d., Cadet, Mo. (U.S.N.M.)]

*Mesotenus albomaculatus* Riley and Howard, Insect Life, 1890, 1: 153. [host *a*, N.Y., Tex.]

*Mesotenus albomaculatus* Slosson, Ent. News, 1894, 5: 4. [Ill.]

*Mesostenoides albomaculatus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 45.

[syn.]

*Mesotenus albomaculatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 570. [N.J.]

*Listrognathus albomaculatus* Roman, Ent. Tidskr., 1910, 31: 176. [syn.]

*Polycyrtus albomaculatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

*Mesostenidea* (*Polycyrtus*) *albomaculata* Viereck, Bull. Conn. Geol. Nat. Hist.

Surv., 1917, 22: 330. [key]

*Listrognathus albomaculatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.

[syn.]

*Listrognathus leucocoxus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.

[syn.]

*Listrognathus albomaculatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Listrognathus albomaculatus* var. *albomaculatus* Cushman, Proc. U. S. Nat. Mus.,

1929, 74, art. 16: 2-5, 16. ♂, ♀. [key, syn., des., fig., Conn., Ill., Md., Mo., Ohio, Pa., Va.]

*Listrognathus albomaculatus* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

CRAMBIDAE: *a*, *Crambus* sp.

\* Nearctic material in the Townes Collection is from: Bemus Point, N.Y.; Swansea, Ont.; Ile d'Orleans, Que.; and Waskesiu, Sask.

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**Listrognathus albomaculatus** var. **multimaculatus** Cushman

*Listrognathus albomaculatus* var. *multimaculatus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 18. ♀. [key, o.d., Carlisle Junction, Pa. (U.S.N.M.), Kans., N.Y.]

**Listrognathus albomaculatus** var. **nubilipennis** (Cresson)

*Mesostenus nubilipennis* Cresson, Canad. Ent., 1878, 10: 205. ♀. [o.d., Ga. (A.N.S.P.)]

*Listrognathus albomaculatus* var. *nubilipennis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 19. ♀. [key, des.]

**Listrognathus albomaculatus** var. **rufitibialis** Cushman

*Listrognathus albomaculatus* var. *rufitibialis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 18. ♂, ♀. [key, o.d., Plummer's Island, Md. (U.S.N.M.), Ala., Kans., N.J., Pa., Tex.]

**Listrognathus albomaculatus** var. **sagax** (Provancher)

*Mesostenus sagax* Provancher, Nat. Canad., 1879, 11: 112; (Faune, p. 345). ♀. [key, o.d., fig., Cap Rouge, Que. (M.P.Q.)]

*Mesostenus sagax* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]

*Listrognathus albomaculatus* var. *sagax* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 19. ♂, ♀. [key, des., Alta., Conn., Que.]

**Listrognathus paludatus** (Cresson)

*Mesostenus paludatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

*Listrognathus paludatus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 22. ♂, ♀. [key, des.]

**Listrognathus victoriensis** (Harrington) new combination

*Cryptus victoriensis* Harrington, Canad. Ent., 1894, 26: 211. ♀. [o.d., Victoria, B.C. (C.N.C.)]

*Listrognathus multicolor* Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 20. ♀. [key, o.d., Calif. (U.S.N.M.), B.C.] New synonymy.

**MESOSTENUS** Gravenhorst

*Mesostenus* Gravenhorst, Ichneum. Europeae, 1829, 2: 750.

Genotype: *Mesostenus transfuga* Gravenhorst.

*Stenaraeus* Thomson, Opusc. Ent., 1896, 21: 2378, 2380.

Genotype: *Mesostenus transfuga* Gravenhorst.

**Mesostenus angustus** new name

*Mesostenus leucopus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [o.d., host *a*, Normal, Ill. (U.S.N.M.)] Preoccupied by Brullé, 1846.

*Mesostenus leucopus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 3, 44.

♂, ♀. [key, des., D.C., Kans., Va.]

*Mesostenus leucopus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

Miscellaneous: a, sawfly on *Triticum aestivum*.

***Mesostenus gracilis* Cresson**

*Mesostenus gracilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 315. ♂. [o.d., Va. (A.N.S.P.)]

*Mesostenus gracilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. [Tex.]

*Nematopodius orbitalis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

*Mesostenus gracilis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Mesostenus gracilis* Riley and Howard, Insect Life, 1890, 1: 153. [host e, Conn., Md., Tex.]

*Mesostenus gracilis* Johnson, Bull. U. S. Dept. Agr., Div. Ent., 1899, 20: 67. [host c]

*Mesostenus gracilis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Mesostenus gracilis* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Mesostenus gracilis* Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host d, Ga.]

*Mesostenus gracilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Mesostenus gracilis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 43. ♂, ♀. [key, syn., des., host d e f, Ariz., Calif., Conn., D.C., Ill., Kans., La., Md., Mass., Mexico, Mich., Miss., N.M., N.Y., Ohio, Tex., Wis., Va.]

*Mesostenus gracilis* Pack, Bull. Ut. Agr. Exp. Sta., 1930, 216: 11. [host g, Ut.]

*Mesostenus gracilis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host g, Ut.]

*Mesostenus gracilis* Donohoe and Barnes, Jour. Econ. Ent., 1934, 27: 1071–1072. [host b, Calif.]

*Mesostenus gracilis* personnel of Dried Fruit Insect Lab. at Fresno, Calif., Monthly Bull. Calif. Dept. Agr., 1934, 23: 205. [host b, Calif.]

*Mesostenus gracilis* Livingston and Reed, Jour. Econ. Ent., 1936, 29: 1019. [host a]

*Mesostenus gracilis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

*Mesostenus gracilis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host g, Ut.]

PHYCITIDAE: a, *Ephestia elutella*; b, *Ephestia figulilella*; c, *Ephestia kuehniella*; d, *Euzophera semifuneralis*; e, *Laetilia coccidivora*; f, *Ozamia fuscomaculella clarefacto*; g, *Zophodia convolutella*.

***Mesostenus melanurus* Cushman**

*Mesostenus melanurus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 47.

♀. [key, o.d., Calgary Alta. (U.S.N.M.)]

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**Mesostenus promptus** Cresson

*Mesostenus promptus* Cresson, Canad. Ent., 1878, 10: 209. ♂. [o.d., Ill. (A.N.S.P.), Canada]

*Mesostenus americanus* Cresson, Canad. Ent., 1878, 10: 209. ♀. [o.d., Me. (A.N.S.P.), Va.]

*Mesostenus promptus* Provancher, Nat. Canad., 1882, 13: 363; (Faune, p. 785). [syn. des.]

*Exetastes brevipennis* Provancher, Faune Ent. Canada, Hymén., 1883, p. 386. ♂, ♀. [key, o.d., Que. (type lost)]

*Mesostenus brevipennis* Provancher, Nat. Canad., 1883, 14: 7; (Faune, p. 794). [syn.]

*Mesostenus promptus* Provancher, Addit. Faune Canada, Hymén., 1889, p. 455. [syn.]

*Mesostenidea americana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

*Mesostenidea (Polyaenus) prompta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 329. [key]

*Mesostenus promptus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 46. ♂, ♀. [key, syn., des., Colo., Ia., S.D.]

*Mesostenus promptus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Mesostenus americanus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

**Mesostenus thoracicus** Cresson

*Mesostenus thoracicus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 314. ♂, ♀. [o.d., Del. (A.N.S.P.), N.Y., Pa.]

*Mesostenus thoracicus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 163. [Tex.]

*Mesostenus thoracicus* Provancher, Nat. Canad., 1875, 7: 240, 266, 268. [key, Que.]

*Mesostenus thoracicus* Provancher, Nat. Canad., 1879, 11: 113; (Faune, p. 346). [key, des., fig.]

*Mesostenus erythrogaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 406. ♂. [o.d., Wis. (U.S.N.M.)]

*Mesostenus thoracicus* Riley and Howard, Insect Life, 1890, 1: 153. [host g, D.C., Mich., Mo., N.Y., Tex. Va.]

*Mesostenus thoracicus* Harrington, Ann. Rpt. Ent. Soc. Ont., 1894, 24: 25. [host b]

*Nerostenus* (!) *thoracicus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Mesostenus thoracicus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Mesostenus thoracicus* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Mesostenus thoracicus* Hunter, Pratt, and Mitchell, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 113: 46. [host e, Tex.]



*Mesostenus thoracicus* Blakeslee, Bull. U. S. Dept. Agr., 1915, 261: 12. [host *c*, Va.]

*Mesostenus thoracicus* Simanton, Bull. U. S. Dept. Agr., 1916, 351: 63. [host *d*, Pa.]

*Mesostenidea (Mesostenidea) thoracica* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330. [key]

*Mesostenus thoracicus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

*Mesostenus erythrogaster* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Mesostenus thoracicus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Mesostenus erythrogaster* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Mesostenus thoracicus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

*Mesostenus thoracicus* Cushman, Proc. U.S. Nat. Mus., 1929, 74, art. 16: 4, 5, 41. ♂, ♀. [key, syn., des., fig., host *a f h i*, Ala., Ark., Canada, Colo., Conn., D.C., Kans., La., Md., Mass., N.Y., Ohio, Pa., Tex., Va.]

*Mesostenidea thoracica* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]

PHYCITIDAE: *a*, *Acrobasis* sp.; *b*, *Ambesa walsinghami*; *c*, *Euzophera semifuneralis*; *d*, *Laetilia coccidivora*; *e*, ?*Melitara* sp.; *f*, *Monoptilota pergratialis*. PYRALIDIDAE: *g*, pyralidid on *Carya* sp. PYRAUSTIDAE: *h*, *Phlyctaenia extricalis*; *i*, *Pyrausta futilalis*.

#### DEROCENTRUS Cushman

*Derocentrus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 113.

Genotype: (*Coleocentrus texanus* Ashmead) = *longicaudis* Cresson.

#### *Derocentrus longicaudis* (Cresson) new combination

*Mesostenus longicaudis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 164. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Mesostenus macilentus* Cresson, Canad. Ent., 1878, 10: 210. ♂. [o.d., La. (A.N.S.P.), Ill., Tex.]

*Mesostenus gracilipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 365. ♀. [o.d., Calif. (A.N.S.P.)]

*Coleocentrus texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 444. ♀. [o.d., Tex. (U.S.N.M.)]

*Mesostenus macrurus* Dalla Torre, Cat. Hymen., 1901, 3: 544. [new name for *Mesostenus longicaudis* Cresson]

*Nematopodius longicaudus* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 206. [syn., Canada, Tex. (in part)]

*Nematopodius exclamans* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)]

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- Nematopodius gracilipes* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. [syn.]  
*Nematopodius macilentus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 319.  
 [Kans.]
- Derocentrus texanus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114. [syn.,  
 Colo., Kans., Md., N.M., Tex., Va.]
- Derocentrus gracilipes* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 114. [syn.]
- Derocentrus macilentus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 45,  
 48. ♂, ♀. [syn., des., fig., Colo., D.C., Kans., Md., N.J., N.M., Ohio,  
 Tex., Va.]
- Derocentrus macilentus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

### CRYPTANURA Brullé

- Cryptanura* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 242.  
 Genotype: *Cryptanura nigripes* Brullé.
- Polyaenus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 149.  
 Genotype: *Polyaenus ectypus* Cresson.
- Polyaenidea* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 381. New synonymy.  
 Genotype: *Polyaenidea pretiosa* Viereck.
- Cryptanura spinaria* (Brullé) new combination**
- Mesostenus spinarius* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 227. ♀.  
 [o.d., Carolina (Paris Mus.)]
- Mesostenus albopictus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 312. ♂. [o.d.,  
 Del. (A.N.S.P.)] Preoccupied by Smith, 1858.
- Mesostenus albopictus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
 571. [N.J.]
- Mesostenus delawarensis* Dalla Torre, Cat. Hymen., 1901, 3: 540. [new name  
 for *Mesostenus albopictus* Cresson]
- Polyaenus spinarius* Schmiedeknecht, Genera Insectorum, 1908, 75: 68. [syn.]
- Mesostenus delawarensis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.  
 [N.J.]
- Mesostenus spinarius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.  
 [N.J.]
- Mesostenidea* (*Polyaenus*) *spinaria* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 329. [key]
- Polyaenus spinarius* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Polyaenus spinarius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 932. [N.Y.]
- Polyaenus spinarius* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4, 5,  
 38. ♂, ♀. [des., fig., Ala., D.C., Fla., Md., N.J., N.Y., Pa., Tex., Va.]
- Polyaenus spinarius* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

**POLYCYRTUS** SpinolaSubgenus **Polycyrtus** Spinola

*Polycyrtus* Spinola, Ann. Soc. Ent. France, 1840, 9: 154.

Genotype: *Polycyrtus histrio* Spinola.

*Polycyrtimorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 383.

Genotype: *Polycyrtimorpha amoena* Viereck.

**Polycyrtus (Polycyrtus) neglectus** Cushman

*Polycyrtus neglectus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 5. ♂, ♀. [o.d., Cabin John, Md. (U.S.N.M.), Ala., D.C., Fla., Tenn., Tex., Va.]

*Polycyrtus neglectus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 4, 5, 51. [des., fig., Conn., Md., Pa.]

*Polycyrtus (Polycyrtus) neglectus* Cushman, Proc. U. S. Nat. Mus., 1931, 78, art. 14: 6, 44, 58. [key, des., Conn., D.C., Pa.]

**XYLOPHRURUS** Foerster

*Xylophrurus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 169.

Genotype: *Echthrus lancifer* Gravenhorst.

*Nyxeophilus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 187.

New synonymy.

Genotype: (*Nyxeophilus bimaculatus* Thomson) = *angustus* Dalman.

*Macrocryptus* Thomson, Opusc. Ent., 1873, 5: 470, 486.

Genotype: *Echthrus lancifer* Gravenhorst.

*Cryptoideus* of authors, not of the genotype.

*Xylophruridea* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. New synonymy.

Genotype: *Xylophruridea agrili* Viereck.

**Xylophrurus agrili** (Viereck) new combination

*Xylophruridea agrili* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. ♀. [o.d., host *b*, French Creek, W. Va. (U.S.N.M.)]

*Xylophruridea agrili* Brooks, Jour. Agr. Res., 1914, 3: 184. [fig., biol., host *b*, W.Va.]

*Xylophruridea luctuosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 767. [syn., des., host *a*, Conn. (in part)]

*Cryptoideus agrili* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 536. [key, des.]

*Xylophruridea agrili* Brooks, Monthly Letter Bur. Ent., U. S. Dept. Agr., 1923, 108: 3. [biol., host *b*, W.Va.]

*Cryptoideus agrili* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

BUPRESTIDAE: *a*, ?*Agrilus champlaini*; *b*, *Agrilus vittaticollis*.

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**Xylophrurus atroruber** new name

*Cryptoideus purpuripennis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 42.  
[syn.] Misdetermined.

*Cryptoideus purpuripennis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 539. ♀.  
[key, des., Santa Cruz Mts., Calif. (U.S.N.M.)] Misdetermined.

**Xylophrurus bicolor** (Cushman) new combination

*Cryptoideus bicolor* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537. ♀. [key,  
o.d., Colo. (U.S.N.M.)]

*Cryptoideus bicolor* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Xylophrurus fasciatus** (Ashmead) new combination

*Brachycentrus fasciatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 413. ♀.  
[key, o.d., Tex. (U.S.N.M.)]

*Helcostizus fasciatus* Dalla Torre, Cat. Hymen., 1901, 3: 395. [syn.]

*Cryptoideus fasciatus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 540. [key,  
des.]

*Cryptoideus fasciatus* Burke, Jour. Econ. Ent., 1920, 13: 383. [host a, Calif.]

BUPRESTIDAE: a, *Agrilus angelicus*.

**Xylophrurus luctuosus** (Provancher) new combination

*Mesochorus luctuosus* Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d.,  
Que. (M.P.Q.)]

*Echthrus luctuosus* Provancher, Nat. Canad., 1880, 12: 98; (Faune, p. 486).  
[key, des.]

*Echthrus luctuosus* Harrington, Canad. Ent., 1893, 25: 31. [key]

*Echthrus luctuosus* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Xylophruridea luctuosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
767. [syn., des., host a, Conn. (in part)]

*Cryptoideus? luctuosus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537. [key  
des.]

*Cryptoideus anthracinus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 7  
♀. [o.d., host b, Lyme, Conn. (U.S.N.M.)] New synonymy.

BUPRESTIDAE: a, ?*Agrilus champlaini*. CERAMBYCIDAE: b, *Saperda obliqua*.

**Xylophrurus nubilipennis** (Cresson) new combination

*Cryptus nubilipennis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 291. ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Cryptus nubilipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]

*Echthrus nubilipennis* Harrington, Canad. Ent., 1893, 25: 31. [key]

*Cryptoideus nubilipennis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 537.  
[key, des.]

**Xylophrurus rufus** (Cushman) new combination

*Cryptoideus rufus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 538. ♀. [key,  
o.d., Montgomery Co., Pa. (U.S.N.M.)]

**Xylophrurus sitkensis** (Ashmead) new combination

*Cryptoideus sitkensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 193. ♀.  
[o.d., Sitka, Alaska (U.S.N.M.)]

*Cryptoideus sitkensis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 539. ♀.  
[key, des.]

**ECHTHRUS** Gravenhorst

*Echthrus* Gravenhorst, Ichneum. Europeae, 1829, 3: 861.

Genotype: *Ichneumon reluctator* Linnaeus.

*Sphaetes* Bremi, Stettin, Ent. Ztg., 1849, 10: 95.

Genotype: (*Sphaetes crassicus* Bremi) = *reluctator* Linnaeus.

**Echthrus abdominalis** Cresson

*Echthrus abdominalis* Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

*Mesochorus Sqint-Cyri* Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d., Que. (M.P.Q.)]

*Echthrus abdominalis* Provancher, Nat. Canad., 1880, 12: 99; (Faune, p. 487).  
[key, syn., des.]

*Echthrus abdominalis* Harrington, Canad. Ent., 1893, 25: 32. ♂, ♀. [key, B.C., Ont.]

*Echthrus abdominalis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Echthrus abdominalis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

*Echthrus abdominalis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Echthrus abdominalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 931. [N.Y.]

*Echthrus abdominalis* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

**Echthrus adillae** Davis

*Echthrus adillae* Davis, Trans. Amer. Ent. Soc., 1895, 22: 32. ♂. [o.d., ?Seattle, Wash. (A.N.S.P.)]

**Echthrus niger** Cresson

*Echthrus niger* Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

*Echthrus niger* Provancher, Nat. Canad., 1880, 12: 97; (Faune, p. 485). [key des., Que.]

*Echthrus niger* Harrington, Canad. Ent., 1893, 25: 32. [key, biol., Ont.]

*Echthrus niger*, Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Echthrus niger* Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

**Echthrus rufopedibus** Harrington

*Echthrus rufopedibus* Harrington, Canad. Ent., 1893, 25: 31. ♀. [key, o.d., Montreal, Que. (C.N.C.)]

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*Ephialtes rufipedibus* (!) Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Echthrus rufopedibus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Echthrus rufopedibus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1911, 41: 118. [Ont.]

***Echthrus vancouverensis*** (Bradley) new combination

*Dyseidopus vancouverensis* Bradley, Ent. News, 1902, 13: 307. ♂. [o.d., Vancouver, B.C. (type lost)]

#### AGONOCRYPTUS Cushman

*Agonocryptus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 6.

Genotype: *Mesostenus discoidaloides* Viereck.

***Agonocryptus discoidaloides*** (Viereck)

*Mesostenus discoidaloides* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 319. ♀. [o.d., Rock Creek, Douglas Co., Kans., 900 ft. (Univ. Kans.)]

*Agonocryptus discoidaloides* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 7. [des., fig., host *a b*, Fla., Ill., Kans., Tex., Va.]

*Agonocryptus discoidaloides* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

CERAMBYCIDAE: *a*, *Eupogonius vestitus*; *b*, *Pseudibidion unicolor*.

#### MALLOCHIA Viereck

*Mallochia* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591.

Genotype: *Mallochia agenoides* Viereck.

***Mallochia agenoides*** Viereck

*Mallochia agenoides* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591. ♀. [o.d., Glencarlyn, Va. (U.S.N.M.)]

*Mallochia agenoides* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 14. ♀. [key, des., fig., D.C.]

*Mallochia agenoides* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

***Mallochia strigosa*** (Cresson)

*Mesoleptus? strigosus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Gausocentrus? strigosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♂. [des., Tex.]

*Nematopodius longicaudus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 206. [syn., Canada, Tex. (in part)]

*Mallochia strigosa* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 14. [key, des.]

#### CRYPTOHELCASTIZUS Cushman

*Cryptohelcastizus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 534.

Genotype: (*Cryptohelcastizus rufigaster* Cushman) = *alamedensis* Ashmead.

**Cryptohelcostizus alamendensis** (Ashmead)

*Cryptus alamendensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 409. ♀. [key, o.d., host *c*, Alameda, Calif. (U.S.N.M.)]

*Cryptohelcostizus rufigaster* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 534. ♂, ♀. [o.d., host *a b*, Harold, Calif. (U.S.N.M.)]

*Cryptohelcostizus rufigaster* Burke, Jour. Econ. Ent., 1920, 13: 383. [host *a*]

*Cryptohelcostizus alamedensis* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 7. [syn.]

*Cryptohelcostizus alamedensis* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 357. [key, host *b*, Calif., Ore.]

BUPRESTIDAE: *a*, *Agrilus angelicus*; *b*, *Chrysobothris mali*. Miscellaneous: *c*, lepidopteran.

**Cryptohelcostizus chrysobothridis** Cushman

*Cryptohelcostizus chrysobothridis* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 358. ♂, ♀. [key, o.d., host *a*, Stillwater, Okla. (U.S.N.M.)]

BUPRESTIDAE: *a*, *Chrysobothris* sp. in *Malus pumila*.

**Cryptohelcostizus dichrous** Viereck

*Cryptohelcostizus dichrous* Viereck, Psyche, 1921, 28: 73. ♂, ♀. [o.d., Southern Pines, N.C. (M.C.Z.)]

*Cryptohelcostizus* sp. Brimley, Insects of N.C., 1938, p. 407. [N.C.]

*Cryptohelcostizus dichrous* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 358. [key, des., N.J., N.C., Tex., Va.]

*Cryptohelcostizus dichrous* Brimley, Suppl. Insects of N.C., 1942, p. 30. [syn.]

**Cryptohelcostizus ornatus** Cushman

*Cryptohelcostizus ornatus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 359. ♀. [key, o.d., host *a*, Death Valley, Calif. (U.S.N.M.)]

BUPRESTIDAE: *a*, *Chrysobothris deserta*.

**HELCOSTIZUS** Foerster

*Brachycentrus* Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 106. Pre-occupied by Curtis, 1834.

Genotype: (*Cryptus pimplarius* Taschenberg) = *brachycentrus* Gravenhorst. *Helcostizus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 186.

Genotype: *Cryptus brachycentrus* Gravenhorst.

*Cyrtocryptus* Marshall, Cat. Brit. Hymen., 1872, 3: 41.

Genotype: *Cryptus brachycentrus* Gravenhorst.

*Mesocryptus* Thomson, Opusc. Ent., 1873, 5: 519.

Genotype: *Cryptus brachycentrus* Gravenhorst.

*Heterocryptus* Woldstedt, Zids. Fin. Nat., 1873, 21: 73.

Genotype: *Cryptus brachycentrus* Gravenhorst.

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*Asternaulax* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632.

Genotype: (*Asternaulax fiskei* Viereck) = *canadensis* Provancher.

*Chenbergus* Navas, Bol. Soc. Ent. España, 1930, 13: 43. [new name for *Brachycentrus* Taschenberg]

***Helcostizus annulicornis* (Walsh)**

*Echthrus annulicornis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 159. ♀. [o.d., (?Ill.) (type destroyed)]

*Echthrus annulicornis* Harrington, Canad. Ent., 1893, 25: 32. [key]

*Helcostizus annulicornis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 8. [syn., des.]

***Helcostizus bicarinatus* Cushman**

*Helcostizus bicarinatus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 532. ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

***Helcostizus canadensis* (Provancher)**

*Mesochorus Canadensis* Provancher, Nat. Canad., 1874, 6: 299. ♀. [key, o.d., Que. (M.P.Q.)]

*Echthrus Canadensis* Provancher, Nat. Canad., 1880, 12: 98; (Faune, p. 486). [key, des.]

*Echthrus canadensis* Harrington, Canad. Ent., 1893, 25: 32. [key]

*Asternaulax fiskei* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. ♀. [o.d., Tryon, N.C. (U.S.N.M.)] New synonymy.

*Helcostizus fiskei* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 185. [syn.]

*Helcostizus canadensis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. [key, des.]

*Helcostizus fiskei* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 532. [key, des.]

*Helcostizus fiskei* Brimley, Insects of N.C., 1938, p. 410. [N.C.]

***Helcostizus rufiscutum* Cushman**

*Helcostizus rufiscutum* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. ♀. [key, o.d., host *a*, Cypress Point, Monterey, Calif. (U.S.N.M.)]

SCOLYTIDAE: *a*, *Phloeosinus* sp.

***Helcostizus yukonensis* (Ashmead)**

*Pimpla yukonensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 445. ♀. [o.d., Fort Yukon, Alaska (U.S.N.M.)]

*Holcostizus* (!) *yukonensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 202. [syn.]

*Helcostizus yukonensis* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 533. [key, des.]



**MESSATOPORUS** Cushman

*Messatoporus* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 8.

Genotype: *Mesostenus discoidalis* Cresson.

**Messatoporus compressicornis** Cushman

*Messatoporus compressicornis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 12. ♂, ♀. [key, o.d., Inglenok, Pa. (U.S.N.M.), Ala., D.C.]

*Messatoporus major* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 13. ♀. [key, o.d., Orlando, Fla. (U.S.N.M.)] New synonymy.

*Messatoporus compressicornis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Messatoporus discoidalis** (Cresson)

*Mesostenus discoidalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 162. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Mesostenus jocosus* Provancher, Nat. Canad., 1874, 6: 300. ♀. [key, o.d., Que. (M.P.Q.)]

*Mesostenus jocosus* Provancher, Nat. Canad., 1875, 7: 267. [key]

*Mesostenus jocosus* Provancher, Nat. Canad., 1879, 11: 112; (Faune, p. 346). ♀. [key, des., fig.]

*Messatoporus discoidalis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 3, 4, 5, 9. [key, syn., des., fig., host *a b c d*, Colo., D.C., Ill., Kans., Md., N.H., Pa., Tex.]

*Messatoporus discoidalis* Brimley, Insects of N.C., 1938, p. 407. [N.C.]

POMPIDAE: *a*, *Ageniella bombycina*; *b*, *Ageniella petiolata*; *c*, *Ceropales fraterna*; *d*, *Pseudagenia mellipes*.

**Messatoporus rufiventris** Cushman

*Messatoporus rufiventris* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 11. ♀. [key, o.d., Cabin John, Md. (U.S.N.M.), Ala., Colo., Que., Tex., Va.]

*Messatoporus rufiventris* (!) Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**POLYCYRTIDEA** Viereck

*Polycyrtidea* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 382.

Genotype: *Polycyrtidea gracilis* Viereck.

**Polycyrtidea limitis** Cushman

*Polycyrtidea limitis* Cushman, Proc. U. S. Nat. Mus., 1929, 74, art. 16: 2, 5, 52.

♀. [o.d., fig., Brownsville, Tex. (U.S.N.M.)]

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**JOPPIDIUM**\* Cresson

*Joppidium* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160.

Genotype: *Joppidium rubriceps* Cresson.

*Joppoceras* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 39, 40.

Genotype: *Joppidium dubiosum* Cresson.

*Opisoxestus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 40.

Genotype: *Opisoxestus ferrugineus* Ashmead.

**Joppidium apicale** Cresson

*Joppidium apicale* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♀. [o.d., Comal Co., Tex. (A.N.S.P.)]

*Joppidium ruficeps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 70. ♂, ♀. [o.d., (?Ill.) (type destroyed)] New synonymy.

*Joppidium ruficeps* (!) Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 40. [key]

*Joppidium ruficeps* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Joppidium ruficeps* Brimley, Insects of N.C., 1938, p. 406. [N.C.]

**Joppidium rubriceps** Cresson

*Joppidium rubriceps* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 160. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Joppidium rubripes* (!) Dalla Torre, Cat. Hymen., 1902, 3: 597. Lapsus for *rubriceps*.

*Joppidium rubriceps* Roman, Ent. Tidskr., 1910, 31: 172. [syn., des.]

*Joppidium rubriceps* Brimley, Insects of N.C., 1938, p. 406, [N.C.]

**ACRORICNUS** Ratzeburg

*Acroricnus* Ratzeburg, Ichneum. Forstins., 1853, 3: 92.

Genotype: *Acroricnus schaumii* Ratzeburg.

*Xenocodon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1855, 12: 237.

Genotype: *Xenocodon ruficornis* Foerster.

*Macrobatus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 50.

Genotype: (*Cryptus macrobates* Gravenhorst) = *stylator* Thunberg.

*Linoceras* Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 8, 105.

Genotype: (*Cryptus macrobates* Gravenhorst) = *stylator* Thunberg.

*Leptobatides* Buysson, Sp. Hymén. Eur. Alg., 1896, 6: 678, pl. 3.

Genotype: *Leptobatides abeillei* Buysson.

*Agathobanchus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97.

Genotype: *Banchus aequatus* Say.

**Acroricnus aequatus aequatus** (Say)

*Banchus aequatus* Say, Boston Jour. Nat. Hist., 1836, 1: 247; (Leconte Ed., 2: 701). (♂). [o.d., Ind. (type destroyed)]

*Atractodes* Cloutieri Provancher, Nat. Canad., 1874, 6: 150. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

- Atractodes Cloutieri* Provancher, Nat. Canad., 1874, 7: 333. [key]  
*Linoceras Cloutieri* Provancher, Nat. Canad., 1879, 11: 110; (Faune, p. 343).  
 [des., fig.]  
*Linoceras Cloutieri* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Agathobanchus aequatus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97. [syn.]  
 Description based on misdetermination.  
*Osprynchotus cloutieri* Dalla Torre, Cat. Hymen., 1902, 3: 598. [syn.]  
*Banchus aequatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 304. [syn.]  
*Acroricnus aequatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 158.  
 [syn.]  
*Acroricnus cloutieri* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.  
 [Me.]  
*Acroricnus aequatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

***Acroricnus aequatus junceus* (Cresson) new combination**

- Cryptus junceus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 295. ♀. [o.d., Ill.  
 (A.N.S.P.)]  
*Cryptus junceus* Walsh and Riley, Amer. Ent., 1869, 1: 137. [fig., biol., host c]  
*Cryptus junceus* Riley, Amer. Ent., 1880, 3: 154. [host a]  
*Osprynchotus* (!) *junceus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
 570. [N.Y.]  
*Acroricnus junceus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 630.  
 [host b]  
*Acroricnus junceus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 330.  
 [des.]  
*Acroricnus junceus* Champlain, Psyche, 1922, 29: 99. [host b, Pa.]  
*Acroricnus junceus* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Acroricnus junceus* Viereck, Bull. N.Y. State Mus., 1928, 274: 188. [N.Y.]  
*Acroricnus junceus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 930. [N.Y.]  
*Acroricnus junceus* Brimley, Insects of N.C., 1938, p. 406. [N.C.]  
 VESPIDAE: a, *Ancistrocerus birenimaculatus*; b, *Ancistrocerus tigris*. SPHECIDAE: c,  
*Sceliphron caementarium*.

***Acroricnus edwardsii* (Cresson) new combination**

- Linoceras Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 365. ♂.  
 [o.d., Calif. (A.N.S.P.)]  
*Osprynchotus edwardsii* Dalla Torre, Cat. Hymen., 1902, 3: 598. [syn.]

***Acroricnus excelsus* (Cresson) new combination**

- Cryptus excelsus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 293. ♀. [o.d., Colo.  
 (A.N.S.P.)]  
*Cryptus excelsus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 265. [Colo.]  
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## Subfamily 4. PHAEOGENINAE

## Tribe 1. PHAEOGENINI

## PHAEOGENES Wesmael

*Phaeogenes* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 180.

Genotype: (*Phaeogenes primarius* Wesmael) = *semivulpinus* Gravenhorst.

*Dirophanes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 183.

Genotype: (*Phygadeuon (Dirophanes) plesius* Viereck) = *hariolus* Cresson.

**Phaeogenes acaudus** (Provancher) new combination

*Phygadeuon acaudus* Provancher, Nat. Canad., 1882, 13: 334, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon acaudus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47. [key]

*Dicaelotus acaudus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Phygadeuon acaudus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

**Phaeogenes arcticus** Cushman

*Phaeogenes arcticus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 251. ♂, ♀. [o.d., host *a*, Tongas National Forest, Alaska (U.S.N.M.)]

*Phaeogenes arcticus* Hopping and Leech, Canad. Ent., 1936, 68: 78. [host *b*, B.C.]

TORTRICIDAE: *a*, *Peronea* sp. DIPRIONIDAE: *b*, *Neodiprion tsugae*.

**Phaeogenes ater** Cresson

*Phaeogenes ater* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 202. ♀. [o.d., Mo. (A.N.S.P.)]

*Phaeogenes ater* French, Papilio, 1881, 1: 106. [des., host *d*, Ill.]

*Phaeogenes ater* Cook, Ann. Rpt. Secr. State Hort. Soc. Mich., 1885, 14: 95. ♂, ♀. [des., host *c*, Mich.]

*Amblyteles macrocephalus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 34. ♂. [o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

*Phaeogenes ater* Riley and Howard, Insect Life, 1889 3: 83. [host *e*]

*Phaeogenes ater*, Riley and Howard, Insect Life, 1890, 3: 152. [host *c e*, Ill., Mich., Mo., Wis.]

*Phaeogenes ater* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Phaeogenes ater* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Phaeogenes ater* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Phaeogenes ater* Brooks, Bull. U. S. Dept. Agr., 1920, 887: 8. [host *a*, Miss.]

*Phaeogenes ater* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

*Phaeogenes ater* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes ater* Underhill, Jour. Econ. Ent., 1935, 28: 396. [host *b*]

*Phaeogenes ater* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 399. [host *f*, Me.]

*Phaeogenes ater* Armstrong, Sci. Agr., 1940, 20: 565. [host *e*, Ont.]

AEGERIIDAE: a, *Conopia pyri*; b, *Conopia scitula*; c, *Conopia tipuliformis*; d, *Podosesia syringae*; e, *Sanninoidea exitiosa*; f, "*Sesia*" sp.

***Phaeogenes cacoeciae* Viereck**

*Phaeogenes cacoeciae* Viereck, Canad. Ent., 1924, 56: 66. ♂, ♀. [o.d., host *a*, Vernon, B.C. (C.N.C.)]

TORTRICIDAE: a, *Archips argyrospila*.

***Phaeogenes epinotiae* Cushman**

*Phaeogenes epinotiae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 547. ♂, ♀. [o.d., host *a* b, Georgetown, Me. (U.S.N.M.)]

GELECHIIDAE: a, *Recurvaria piceaella*. OLETHREUTIDAE: b, *Epinotia nanana*.

***Phaeogenes gaspesianus* Provancher**

*Phaeogenes Gaspesianus* Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 770). ♀. [key, o.d., Douglastown, Que. (M.P.Q.)]

*Phaeogenes Gaspesianus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

*Phaeogenes pimploides* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 98. ♀. [o.d., Chicoree Woods, Ithaca, N.Y. (Cornell Univ.)] New synonymy.

*Phaeogenes gaspesianus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes gaspesianus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

*Phaeogenes gaspesianus* Schedl, Canad. Ent., 1932, 64: 2. [host *a*, N.S.]

*Phaeogenes gaspesianus* Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

*Phaeogenes gaspesianus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *a*, Canada]

TORTRICIDAE: a, *Peronea variana*.

***Phaeogenes hariolus* (Cresson)**

*Ichneumon hariolus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 305. ♀. [o.d., Mass. (A.N.S.P.)]

*Phaeogenes hariolus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 202. ♀. [des., Mass., N.H.]

*Phygadeuon (Dirophanes) plesius* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 148. ♀. [o.d., host *a*, Maniwaki, Que. (U.S.N.M.)]

*Herpestomus hariolus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 3. [syn.]

*Phaeogenes hariolus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

*Phaeogenes hariolus* Schedl, Canad. Ent., 1932, 64: 2. [host *b*, N.S.]

*Phaeogenes hariolus* Hopping and Leech, Canad. Ent., 1936, 68: 78. [host *c*, B.C.]

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*Phaeogenes hariolus* Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

*Herpestomus hariolus* Bedard, Canad. Ent., 1938, 70: 195. [host *a*, *Ida*.]

*Phaeogenes hariolus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *a*, Canada]

TORTRICIDAE: *a*, *Archips fumiferana*; *b*, *Peronea variana*. DIPRIONIDAE: *c*, *Neodiprion tsugae*.

### ***Phaeogenes hebe* (Cresson)**

*Ichneumon hebe* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

*Phaeogenes hebe* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♀. [des., Conn., Ill., N.Y.]

*Phaeogenes hebe* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Phaeogenes hebe* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key]

*Phaeogenes hebe* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes hebe* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. N.Y.]

*Phaeogenes hebe* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

### ***Phaeogenes hebrus* (Cresson)**

*Ichneumon hebrus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Ill. (A.N.S.P.) Conn.]

*Phygadeuon insignis* Provancher, Nat. Canad., 1875, 7: 179, 182. ♀. [key, o.d., Que. (M.P.Q.)]

*Phaeogenes hebrus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♂, ♀. [syn., des., Canada, Ill., N.Y.]

*Phaeogenes hebrus* Provancher, Nat. Canad., 1879, 11: 38; (Faune, p. 307). ♂, ♀. [key, des.]

*Ichneumon ustus* Provancher, Nat. Canad., 1882, 13: 305, 324; (Faune, p. 763). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phaeogenes hebrus* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

*Phaeogenes hebrus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 39, 40. [key]

*Phaeogenes hebrus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Phaeogenes hebras* (!) Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Colpognathus hebrus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Herpestomus hebrus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Herpestomus hebrus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Phaeogenes hebrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342.  
[key]

*Phaeogenes hebrus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Herpestomus hebrus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143.  
[Me.]

*Phaeogenes hebrus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

***Phaeogenes laevigatus* (Cresson)**

*Ichneumon laevigatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 176. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon laevigatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

*Phaeogenes laevigatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.]

***Phaeogenes mellinus* (Provancher)**

*Phygadeuon mellinus* Provancher, Nat. Canad., 1875, 7: 315. ♀. [o.d., Que. (M.P.Q.)]

*Phaeogenes mellinus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. ♀. [des., Canada, Mass.]

*Phaeogenes mellinus* Provancher, Nat. Canad., 1879, 11: 39; (Faune, p. 308).  
♀. [key, des.]

*Phaeogenes mellinus* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769).  
[key]

*Phaeogenes mellinus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 40.  
[key]

*Phaeogenes mellinus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [biol., host a, Mass.]

*Phygadeuon mellinus* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 100. [N.Y.]

*Phaeogenes mellinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

PTEROPHORIDAE: a, *Pterophorus periscelidactylus*.

***Phaeogenes orbus* Provancher**

*Phaeogenes orbus* Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 771). ♂.  
[key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Phaeogenes orbus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 41. ♂,  
♀. [key, ♀ des., B.C.]

*Herpestomus orbus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Phaeogenes orbus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Herpestomus orbus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Herpestomus orbus* Nason, Ent. News, 1905, 16: 149. [Ill.]

***Phaeogenes osrufus* (Davis) new combination**

*Eurylabus osrufus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♀. [o.d., Ill. (A.N.S.P.)]

*Eurylabus varufus* (!) Nason, Ent. News, 1905, 16: 148. [Ill.]

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**Phaeogenes parvus** (Provancher) new combination

*Ischnus parvus* Provancher, Nat. Canad., 1875, 7: 112. ♂. [key, o.d., Que. (M.P.Q.)]

*Hemiteles parvus* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 324). [key, des.]

*Phaeogenes Farladeaui* Provancher, Nat. Canad., 1882, 13: 331; (Faune, p. 771). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Hemiteles parvus* Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781). [key]

*Phaeogenes Farladeaui* Provancher, Addit. Faune Canada, Hymén., 1886, p. 39. [key]

**Phaeogenes phycidis** Ashmead

*Phaeogenes phycidis* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♀. [o.d., host b, Canobie Lake, N.H. (U.S.N.M.)]

*Phaeogenes phycidis* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [host b, N.H.]

*Phaeogenes phycidis* Daviault, Nat. Canad., 1935, 62: 318, 319. [biol., host a, Que.]

PHYCITIDAE: a, *Acrobasis betulella*; b, *Acrobasis rubrifasciella*.

**Phaeogenes pyriformis** (Provancher)

*Ischnus pyriformis* Provancher, Nat. Canad., 1875, 7: 109. ♀. [key, o.d., Que. (M.P.Q.)]

*Phaeogenes pyriformis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. ♂. [des., Canada, N.Y.]

*Phaeogenes pyriformis* Provancher, Nat. Canad., 1879, 11: 40; (Faune, p. 309). ♂, ♀. [key, des.]

*Phaeogenes pyriformis* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

*Phaeogenes pyriformis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 40, 41. [key]

*Herpestomus pyriformis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 358. [syn.]

**Phaeogenes sitkensis** (Ashmead) new combination

*Eriplatys sitkensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 162. ♀. [o.d., Sitka, Alaska (U.S.N.M.)]

**Phaeogenes soriculatus** (Provancher) new combination

*Cryptus soriculatus* Provancher, Nat. Canad., 1881, 13: 362; (Faune, p. 784). ♂. [o.d., Que. (M.P.Q.)]

*Cryptus soriculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 64. [key]

*Cryptus soriculatus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]



**Phaeogenes spinicoxus** (Viereck) new combination

*Phygadeuon* (*Bathymetis*) *spinicoxus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 289. ♀. [o.d., Magdalena Mts., N.M. (Univ. Kans.)]

**Phaeogenes vincibilis** (Cresson)

*Ichneumon vincibilis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Ill. (A.N.S.P.)]

*Phaeogenes decoloratus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♀. [o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

*Phaeogenes discus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 203. ♂. [o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

*Phaeogenes vincibilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. [des.]

*Phaeogenes discus* Webster, Insect Life, 1890, 2: 382. [host *a*]

*Phaeogenes vincibilis* Riley and Howard, Insect Life, 1890, 3: 152. [host *b*, D.C., Ind.]

*Phaeogenes discus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Phaeogenes vincibilis* Slosson, Ent. News, 1900, 11: 319. [N.H.]

*Phaeogenes discus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Phaeogenes vincibilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key, Conn.]

*Phaeogenes vincibilis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Phaeogenes discus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Phaeogenes discus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes decoloratus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes vincibilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

*Phaeogenes vincibilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. PYRALIDIDAE: *b*, pyralidid on thistle.

**Phaeogenes walshiae walshiae** Ashmead

*Phygadeuon walshiae* Riley and Howard, Insect Life, 1890, 1: 153. [host *a*, Ill.] (*nomen nudum*)

*Phaeogenes walshiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. ♂, ♀. [o.d., host *a*, Fairburg, Ill. (U.S.N.M.)]

*Phaeogenes* (*Centeterus*) *ineptifrons* Gahan, Proc. U. S. Nat. Mus., 1919, 55: 113. ♂, ♀. [o.d., host *d*, Washington, D.C. (U.S.N.M.)]

*Centeterus ineptifrons* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]

*Centeterus ineptifrons* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *d*, N.J., Pa., Va.]

*Centeterus ineptifrons* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]

*Centeterus ineptifrons* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *d*, N.J.]

*Proscus walshiae* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 4. [syn., des., host *d*]

*Proscus walshiae* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441, 445. [host *d*, Md.]

*Proscus walshiae* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 20-35. [biol., host *b c d*, Del.]

*Proscus walshiae* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *d*, Ohio]

MOMPHIDAE: *a*, *Walshia amorphella*. OLETHREUTIDAE: *b*, *Ancylis comptana*; *c*, *Epiblema strenuana*; *d*, *Grapholitha molesta*.

**Phaeogenes walshiae australis** (Cushman) new combination

*Proscus walshiae* var. *australis* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 5. ♂, ♀. [o.d., host *a*, Albany, Ga. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Laspeyresia caryana*.

#### DIADROMUS Wesmael

*Diadromus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 207, 221. Genotype: *Ichneumon troglodytes* Gravenhorst.

**Diadromus erythrostomus** (Cameron)

*Stiboscopus erythrostomus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 244. ♀. [o.d., mountains near Claremont, Calif. (British Mus.)]

*Phaeogenes erythrostomus* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [syn.]

*Diadromus erythrostomus* Morley, Ann. Mag. Nat. Hist., 1915, (8) 16: 336. [syn.]

**Diadromus helvolus** (Cresson) new combination

*Ichneumon helvolus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Ill. (A.N.S.P.) Conn., Pa.]

*Phaeogenes helvolus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.]

*Ichneumon Magdalenensis* Provancher, Nat. Canad., 1890, 19: 248. ♂. [o.d., Magdalen Is., Que. (M.P.Q.)] New synonymy.

*Phaeogenes helvolus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Phaeogenes helvolus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Phaeogenes helvolus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [key]

*Phaeogenes helvolus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Phaeogenes helvolus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

*Ichneumon magdalenensis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Diadromus marginatus** (Provancher) new combination

*Phygadeuon marginatus* Provancher, Addit. Faune Canada, Hymén., 1886, p.

56. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Herpestomus marginatus* Davis, Canad. Ent., 1895, 27: 287. [syn.]

*Herpestomus marginatus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Phygadeuon marginatus* Nason, Ent. News, 1905, 16: 150. [Ill.]

**Diadromus plutellae** (Ashmead) new combination

*Herpestomus plutellae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 396. ♂.

[o.d., host *a*, Lafayette, Ind. (U.S.N.M.)]

*Herpestomus plutellae* Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [host *a*, Ind.]

*Herpestomus plutellae* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 35.

[host *a*, Ohio.]

*Herpestomus plutellae* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Herpestomus plutellae* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Diadromus subtilicornis* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 548.

[syn.] (in part)

YPONOMEUTIDÆ: *a*, *Plutella maculipennis*.

**RHEXIDERMUS** Foerster

*Ischnus* of certain authors, not of the genotype.

*Rhexidermus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 192.

Genotype: *Rhexidermus japonicus* Ashmead.

*Posocentrus* Provancher, Nat. Canad., 1875, 7: 272. New synonymy.

Genotype: *Posocentrus huardi* Provancher.

*Ischnopsidea* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 77. New synonymy.

Genotype: *Ichneumon thoracicus* Gravenhorst.

**Rhexidermus coloradensis** (Cushman) new combination

*Ischnopsidea coloradensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 253. ♀.

[o.d., Colo. (U.S.N.M.)]

**Rhexidermus huardi** (Provancher) new combination

*Posocentrus Huardi* Provancher, Nat. Canad., 1875, 7: 273. ♀. [o.d., Que.

(M.P.Q.)]

*Posocentrus Huarti* (!) Provancher, Nat. Canad., 1879, 11: 251; (Faune, p. 409).

[des.]

*Phaeogenes recticaudus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 42.

♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Phaeogenes Huarti* (!) Provancher, Addit. Faune Canada, Hymén., 1888, p. 359,

367. [syn.]

*Ischnopsidea alberta* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 1.

♀. [o.d., Edmonton, Alta. (U.S.N.M.)] New synonymy.

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**CENTETERUS** Wesmael

*Centeterus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 166, 176.

Genotype: *Centeterus major* Wesmael.

**Centeterus euryptychiae** (Ashmead) new combination

*Colpognathus euryptychiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 395. ♀.  
[o.d., host *a*, Washington, D.C. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Epiblema scudderiana*.

**Centeterus fungor** (Cresson) new combination

*Ichneumon fungor* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂. [o.d.,  
N.Y. (A.N.S.P.) Conn., Ill., Pa.]

*Ichneumon fungor* Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host *a*, Conn.]

*Cryptus certus* Provancher, Nat. Canad., 1874, 6: 177, 200. ♂. [key, o.d.,  
Que. (M.P.Q.)] New synonymy.

*Phaeogenes fungor* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. ♂. [des.,  
Conn., Del., Ill., N.Y., Pa.]

*Cryptus fungor* Provancher, Nat. Canad., 1879, 11: 138; (Faune, p. 337). [key,  
syn., des.]

*Cryptus ruficornis* Provancher, Nat. Canad., 1879, 11: 139; (Faune, p. 338).  
♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Cryptus fungor* Provancher, Addit. Faune Canada, Hymén., 1886, p. 66. [key]

*Cryptus ruficornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 66.  
[key]

*Phaeogenes fungor* Provancher, Addit. Faune Canada, Hymén., 1888, p. 358.  
[syn.]

*Phaeogenes fungor* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Phaeogenes fungor* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Ichneumon fungor* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Phaeogenes fungor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900 27, suppl.: 568.  
[N.Y., Pa.]

*Phaeogenes fungor* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Phaeogenes fungor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342.  
[key, Conn.]

*Phaeogenes fungor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Phaeogenes fungor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
927. [N.Y.]

*Phaeogenes fungor* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.  
2: 99. [Mass.]

*Phaeogenes fungor* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

DIPRIONIDAE: *a*, *Neodiprion abietis*.

**Centeterus linearis** (Provancher) new combination

*Cryptus linearis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 72. ♂.  
[key, o.d., Bécancour, Que. (M.P.Q.)]

- Phaeogenes beulahensis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 80. ♂.  
[o.d., hill above Beulah, N.M. (A.N.S.P.)] New synonymy.  
*Cryptus linearis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Centeterus quadriceps** (Cresson)

- Ichneumon quadriceps* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♂, ♀.  
[o.d., Canada (A.N.S.P.)]  
*Phaeogenes quadriceps* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 204. [des.]  
*Phaeogenes quadriceps* Provancher, Nat. Canad., 1882, 13: 332; (Faune, p. 771).  
[key, des., Que.]  
*Centeterus quadriceps* Roman, Ent. Tidskr., 1910, 31: 150. [syn.]  
*Phaeogenes (Centeterus) quadriceps* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 342. [key]  
*Phaeogenes quadriceps* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 97. [N.Y.]  
*Eparces quadriceps* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Eparces quadriceps* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
927. [N.Y.]

**Centeterus tuberculifrons** (Provancher)

- Phygadeuon tuberculifrons* Provancher, Nat. Canad., 1874, 6: 284. ♀. [key,  
o.d., Que. (M.P.Q.)]  
*Phygadeuon tuberculifrons* Provancher, Nat. Canad., 1875, 7: 183. [key]  
*Phaeogenes tuberculifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 205. [des.,  
Canada, Mass., N.Y.]  
*Phaeogenes tuberculifrons* Provancher, Nat. Canad., 1879, 11: 39; (Faune, p.  
308). [key, des.]  
*Phaeogenes tuberculifrons* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p.  
769). [key]  
*Phaeogenes tuberculifrons* Provancher, Addit. Faune Canada, Hymén., 1886, p.  
39, 40. [key]  
*Phygadeuon fasciatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 55.  
♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.  
*Centeterus tuberculifrons* Provancher, Addit. Faune Canada, Hymén., 1888, p.  
358. [syn.]  
*Colpognathus? fasciatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]  
*Centeterus tuberculifrons* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.  
[Kans.]  
*Centeterus tuberculifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
568. [N.Y.]  
*Centeterus tuberculifrons* Nason, Ent. News, 1905, 16: 149. [Ill.]  
*Eparces tuberculifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
342. [des.]  
*Centetarus (!) tuberculifrons* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17:  
172. [Minn.]  
*Centeterus tuberculifrons* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
3, no. 2: 99. [Mass.]

**COLPOGNATHUS** Wesmael

*Colpognathus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 174.

Genotype: *Ichneumon celerator* Gravenhorst.

**Colpognathus helvus** (Cresson)

*Ichneumon helvus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 312. ♀. [o.d., Pa. (A.N.S.P.) Conn., Ill.]

*Phygadeuon hilaris* Provancher, Nat. Canad., 1874, 6: 284. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon hilaris* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Phaeogenes helvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. ♀. [syn., des., Canada, Conn., Ill., Mass., Pa.]

*Phaeogenes helvus* Provancher, Nat. Canad., 1879, 11: 40; (Faune, p. 308). [key, des.]

*Phaeogenes helvus* Provancher, Nat. Canad., 1882, 13: 330; (Faune, p. 769). [key]

*Phaeogenes helvus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 41. [key]

*Colpognathus helvus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 358. [syn.]

*Colpognathus helvus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Colpognathus helvus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 568. [N.Y.]

*Colpognathus helvus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Colpognathus helvus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [des.]

*Colpognathus helvus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

*Colpognathus helvus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]

*Colpognathus helvus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Colpognathus helvus* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host a, Calif.]

PTEROPHORIDAE: a, *Platyptilia carduidactyla*.

**DICAELOTUS** Wesmael

*Dicaelotus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 175.

Genotype: *Ichneumon pumilus* Gravenhorst.

*Cinxaelotus* Holmgren, Ichneum. Suec., 1889, 3: 367. New synonymy.

Genotype: *Cinxaelotus erythrogaster* Holmgren.

*Leptodemas* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 182.

Genotype: *Leptodemas cariniscutis* Cameron.

**Dicaelotus attenuatus** (Provancher) new combination

*Phygadeuon attenuatus* Provancher, Nat. Canad., 1882, 13: 334, 359; (Faune, p. 781). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon attenuatus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Phygadeuon attenuatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 47.

[key]

*Herpestomus? attenuatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186.

[syn.]

?*Herpestomus alternatus* Nason, Ent. News, 1905, 16: 149. [(lapsus for *attenuatus?*) Ill.]

**Dicaelotus clypeatus** (Cresson) new combination

*Silpnus clypeatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♂. [o.d., Ill. (A.N.S.P.)]

**Dicaelotus gelechiae** (Ashmead) new combination

*Phaeogenes gelechiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 392. ♂, ♀. [o.d., host *a*, N.H. (U.S.N.M.)]

*Phaeogenes gelechiae* Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host *a*, N.Y.]

*Phaeogenes gelechiae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [host *a*, N.Y.]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*.

**Dicaelotus missouriensis** (Ashmead) new combination

*Phaeogenes missouriensis* Ashmead, Proc. U.S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Mo. (U.S.N.M.)]

*Phaeogenes hemiteloides* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Washington, D.C. (U.S.N.M.)] New synonymy.

*Phaeogenes hemiteloides* Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, D.C.]

MISCELLANEOUS: *a*, sawfly on *Betula nigra*.

**Dicaelotus pacificus** (Ashmead)

*Ischyrocnemis pacificus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199. ♀, (♂ = *Phaeogenes* sp.). [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

*Dicaelotus pacificus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 342. [syn.]

**Dicaelotus ruficornis** (Ashmead) new combination

*Phaeogenes ruficornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 394. ♀. [o.d., St. Louis, Mo. (U.S.N.M.)]

**Dicaelotus sectus** (Provancher) new combination

*Phaeogenes sectus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 358.

♂. [o.d., Vancouver Is., B.C. (M.P.Q.)]

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*Herpestomus flavicoxae* Harrington, Canad. Ent., 1894, 26: 210. ♂. [o.d., Victoria, B.C. (C.N.C.)] New synonymy.

*Phaeogenes sectus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Phygadeuon (Plesignathus) taeniatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 335, 336. (♂). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Phaeogenes sector* (!) Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Dicaelotus testaceicornis** (Cameron)

*Bathymetis testaceicornis* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 245. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

*Dicaelotus testaceicornis* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [des.] (Phaeogenine) *testaceicornis* Heinrich, Ann. Mag. Nat. Hist., 1927, (10) 20: 260. [syn.]

**STENODONTUS** Berthoumieu

*Gnathoxys* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 168. Preoccupied by Westwood, 1842.

Genotype: *Ichneumon marginellus* Gravenhorst.

*Stenodontus* Berthoumieu, Ann. Soc. Ent. France, 1896, 65: 346.

Genotype: *Ichneumon marginellus* Gravenhorst.

An undescribed Nearctic species of this genus is in the Townes Collection.

Subfamily 4. PHAEOGENINAE

Tribe. 2. PLATYLABINI

**APAELETICUS** Wesmael

*Apaeleticus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 165, 166.

Genotype: *Apaeleticus bellicosus* Wesmael.

**Apaeleticus americanus** Cushman

*Apaeleticus americanus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 4.

♀. [o.d., Cabin John, Md. (U.S.N.M.), Me.]

**CYCLOLABUS** Heinrich

*Cyclolabus* Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 198.

Genotype: *Platylabus nigricollis* Wesmael.

**Cyclolabus pactor** (Wesmael)\*

*Platylabus? pactor* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 164.

♀. [o.d., Brussels, Belgium (?Brussels Mus.)]

*Cyclolabus pactor* Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 198. [syn.]

\* The following Nearctic material is in the Townes Collection: ♂, ♀. Westport, Wash., VII-17-40, H. and M. Townes; ♀, Crescent City, Calif., VIII-1-40, H. and M. Townes.



**PLATYLABUS** Wesmael

*Platylabus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 150, 153.

Genotype: *Platylabus rufus* Wesmael.

?*Stenolabus* Heinrich, Deut. Ent. Ztschr. for 1935, 1936, p. 197. Preoccupied by Schultless, 1910. New synonymy.

Genotype: *Platylabus latiscapus* Thomson.

**Platylabus californicus** Cresson

*Platylabus californicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♀. [key, o.d., San Zalito, Calif. (A.N.S.P.)]

*Platylabus californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 357. [des.]

*Platylabus californicus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 161. [Alaska]

*Platylabus californicus* Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

**Platylabus canadensis** Cresson

*Platylabus canadensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, o.d., Canada (A.N.S.P.)]

*Platylabus canadensis* Bradley, Canad. Ent., 1903, 35: 282. [key, fig.]

*Platylabus canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143. [Me.]

**Platylabus clarus** (Cresson)

*Ichneumon clarus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♀. [o.d. Mass. (A.N.S.P.)]

*Platylabus clarus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♂, ♀. [key, des., Mass., N.H.]

*Platylabus magnificus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. ♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

*Platylabus clarus* Bradley, Canad. Ent., 1903, 35: 280. [key, syn., fig.]

*Platylabus metallicus* Bradley, Canad. Ent., 1903, 35: 280. ♂, ♀. [key, o.d., fig., N.H. (A.N.S.P.), Me.] New synonymy.

*Platylabus clarus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key]

**Platylabus consors** Cresson

*Platylabus consors* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♂. [key, o.d., Calif. (A.N.S.P.)]

*Platylabus consors* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

*Platylabus consors* Bradley, Canad. Ent., 1903, p. 282. [key, fig.]

**Platylabus gracilicornis** (Viereck) new combination

*Cratichneumon gracilicornis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. ♀. [o.d., Dailey Canyon, N.M. (A.N.S.P.)]

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**Platylabus incabus** Davis

*Platylabus incabus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♀. [o.d., Moscow, Ida. (A.N.S.P.)]

*Platylabus incabus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 160. ♂. [des., Alaska]

**Platylabus lineolatus** (Provancher)

*Ichneumon lineolatus* Provancher, Nat. Canad., 1875, 7: 24, 82. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon rufipes* Provancher, Nat. Canad., 1875, 7: 181, 183. ♀. [key, o.d., Que. (M.P.Q.)]

*Platylabus lineolatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♀. [key, syn., des.]

*Platylabus lineolatus* Provancher, Nat. Canad., 1879, 11: 38; (Faune, p. 306). [key, des.]

*Platylabus lineolatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

*Platylabus lineolatus* Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

*Platylabus pulcher* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 1. ♀. [o.d., Whitefish Point, Mich. (U.S.N.M.)] New synonymy.

*Platylabus* (!) *lineolatus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

**Platylabus montanus** Cresson

*Platylabus montanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)].

*Platylabus montanus* Bradley, Canad. Ent., 1903, 35: 282. [key, fig.]

**Platylabus ornatus** (Provancher)

*Phygadeuon ornatus* Provancher, Nat. Canad., 1875, 7: 181, 183. ♀. [key, o.d., Que. (M.P.Q.)]

*Platylabus ornatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, des.]

*Platylabus ornatus* Provancher, Nat. Canad., 1879, 11: 36; (Fauna, p. 305). ♀. [key, des.]

*Platylabus ornatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 36. [key]

*Platylabus ornatus* Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

*Platylabus ornatus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*.

**Platylabus pedatorius** (Fabricius)\*

*Ichneumon pedatorius* Fabricius, Ent. System., 1793, 2: 133. ♂. [o.d., "Habitat Kiliae," Europe. (location of type unknown)]

*Platylabus pedatorius* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 158. ♂, ♀. [des., Belgium]

**Platylabus rubricapensis** Provancher

*Platylabus Rubri Capensis* Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 768). ♀. [o.d., Que. (M.P.Q.)]

*Platylabus Rubricapensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

*Platylabus rubricapensis* Bradley, Canad. Ent., 1903, 35: 277. [key]

*Platylabus rubricapensis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Platylabus scutellatus** (Provancher)

*Ischnus scutellatus* Provancher, Nat. Canad., 1875, 7: 111. ♂. [key, o.d., Que. (M.P.Q.)]

*Platylabus scutellatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♂. [key, des.]

*Eurylabus agilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. ♂, ♀. [o.d., N.Y. (A.N.S.P.) Canada, Mass.] New synonymy.

*Platylabus scutellatus* Provancher, Nat. Canad., 1879, 11: 36; (Faune, p. 304). [key, des.]

*Platylabus scutellatus* Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 769). ♀. [des.]

*Platylabus scutellatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

*Platylabus scutellatus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Platylabus scutellatus* Bradley, Canad. Ent., 1903, 35: 277. [key]

*Eurylabus agilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 342. [des.]

**Platylabus signatus** (Provancher)

*Phygadeuon signatus* Provancher, Nat. Canad., 1874, 6: 282. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon signatus* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Platylabus signatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 200. ♀. [key, des.]

*Platylabus signatus* Provancher, Nat. Canad., 1879, 12: 36; (Faune, p. 305). [key, des.]

*Phygadeuon signatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 35. [key]

\* The following Nearctic material is in the Townes Collection: ♀, Mt. Rainier, Wash., 5500 ft., VII-23-40, H. and M. Townes; ♂, ♀, Mt. Rainier, Wash., 5300 ft., VIII-16-40, H. and M. Townes.

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*Platylabus signatus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Platylabus signatus* Bradley, Canad. Ent., 1903, 35: 283. [key, fig.]

**Platylabus tibialis** Ashmead

*Platylabus tibialis* Ashmead, Psyche, 1901, 9: 147. ♀. [o.d., Las Vegas Range between Pecos and Sapello rivers, 11000 ft., N.M. (U.S.N.M.)]

**Platylabus vafer** (Cresson) new combination

*Ichneumon vafer* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

*Amblyteles vafer* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

Genus **PRISTICEROS** Gravenhorst

*Pristicerus* Gravenhorst, Ichneum. Europeae, 1829, 1: 635.

Genotype: *Pristicerus serrarius* Gravenhorst.

**Pristicerus bakeri** (Davis) new combination

*Platylabus bakeri* Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♂. [o.d., ?Ann Arbor, Mich. (A.N.S.P.)]

*Platylabus bakeri* Bradley, Canad. Ent., 1903, 35: 283. [key]

**Pristicerus lascivus** (Cresson) new combination

*Ichneumon lascivus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♀ (not ♂). [o.d., Ill. (A.N.S.P.)]

*Ichneumon lascivus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀ (not ♂). [key, des.]

**THAUMATOTELES** Hopper

*Thaumatotetes* Hopper, Trans. Amer. Ent. Soc., 1938, 68: 103.

Genotype: *Hoplismenus ornatus* Cresson.

**Thaumatotetes ornatus** (Cresson)

*Hoplismenus ornatus* Cresson, Trans. Amer. Ent. Soc., 1869, 2: 92. ♀. [o.d., N.Y. (A.N.S.P.)]

*Amblyteles? ornatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. ♀. [key, des.]

*Platylabus foxi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♂. [o.d., Camden, N.J. (A.N.S.P.)] New synonymy.

*Platylabus foxi* Bradley, Canad. Ent., 1903, 35: 282. [key]

*Hoplismenus ovatus* Berthoumieu, Genera Insectorum, 1904, 18: 30. Lapsus for *Hoplismenus ornatus* Cresson.

*Amblyteles ornatus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Thaumatotetes ornatus* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 105. ♀. [des.]

**HYPOMECUS** Wesmael

*Hypomecus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 147.

Genotype: (*Hypomecus albitarsis* Wesmael) = *quadriannulatus* Gravenhorst.

**Hypomecus quadriannulatus** (Gravenhorst)\*

*Mesoleptus quadriannulatus* Gravenhorst, Ichneum. Europeae, 1829, 2: 13.

♂. [o.d., Warmbrunn, Germany (?Breslau Mus.).]

*Hypomecus 4-annulatus* Kreichbaumer, Ent. Nachr., 1891, 17: 46. ♂, ♀. [syn.]

**ECTOPIUS** Wesmael

*Ectopius* Wesmael, Mém. Acad. Sci. Belg., 1859, 8: 14.

Genotype: (*Ichneumon rubellus* Gravenhorst) = *rubellus* Gmelin.

**Ectopius gracilicornis** (Provancher) new combination

*Phygadeuon gracilicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 56. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Herpistomus* (!) *gracilicornis* Davis, Canad. Ent., 1895, 27: 287. [syn.]

**Ectopius impressus** (Provancher) new combination

*Phygadeuon impressus* Provancher, Nat. Canad., 1874, 6: 281. ♀. [key, o.d., Que. (type lost)]

*Ichneumon erythropygus* Provancher, Nat. Canad., 1875, 7: 24, 79. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Phygadeuon impressus* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Platylabus thoracicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. [key, syn., des., Canada, N.H., N.Y., Pa.] (in part)

*Platylabus thoracicus* var. *erythropygus* Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306). [des.]

*Apaeleticus thoracicus* var. *erythropygus* Bradley, Canad. Ent., 1903, 35: 275. [syn.]

*Platylabus erythropygus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3. [syn.]

**Ectopius subdentatus** (Ashmead) new combination

*Probolus subdentatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 160. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

\* The following Nearctic material is in the Townes Collection: ♂, Snoqualmie Pass, Wash. VII-3-40, H. and M. Townes; ♂, Ashford, Wash., VII-27-40, H. and M. Townes; ♂, Mt. Rainier, Wash., 2900 ft., VII-28-40, H. and M. Townes; ♀, Crescent City, Calif., VIII-1-40, H. and M. Townes; ♀, Rabbit Ears Pass, Colo., VIII-24-40, H. and M. Townes.

**Ectopius thoracicus** (Cresson) new combination

*Hoplismenus thoracicus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 288. ♂.  
[o.d., Pa. (A.N.S.P.)]

*Platylabus thoracicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 201. [key,  
syn., des., Canada, N.H., N.Y., Pa.] (in part)

*Platylabus thoracicus* Provancher, Nat. Canad., 1879, 11: 37; (Faune, p. 306).  
[key, des.]

*Platylabus thoracicus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 36.  
[key]

*Apaeleticus thoracicus* Bradley, Canad. Ent., 1903, 35: 275. [syn.]

*Platylabus (Apaeleticus) thoracicus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 343. [key]

*Platylabus thoracicus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 3.  
[syn.]

## Subfamily 4. PHAEOGENINAE

## Tribe 3. LISTRODROMINI

**ANISOBAS** Wesmael

*Anisobas* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 145.

Genotype: (*Ichneumon cingulatorius* Wesmael) = *cingulatorius* Gravenhorst.

**Anisobas bicolor** Cushman

*Anisobas bicolor* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 2. ♂, ♀.  
[o.d., Lolo Trail, Bitter Root Mts., Ida. (U.S.N.M.), Calif., Wash.]

**Anisobas coloradensis** (Cresson) new combination

*Amblyteles coloradensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀.  
[key, o.d., Colo. (A.N.S.P.)]

**Anisobas luzernensis** (Bradley) new combination

*Platylabus luzernensis* Bradley, Canad. Ent., 1903, 35: 282. ♀. [key, o.d.,  
fig., White Haven, Luzerne Co., Pa. (Cornell Univ.)]

*Anisobas nearcticus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 2. ♀.  
[o.d., Mt. Desert, Me. (U.S.N.M.)] New synonymy.

*Anisobas nearcticus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 143.  
[Me.]

**Anisobas separatus** (Davis) new combination

*Eurylabus separatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♀. (not  
♂). [o.d., Algonquin, Ill. (A.N.S.P.)]

**Anisobas texensis** (Ashmead)

*Cryptus texensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 410. ♀ (not ♂).

[key, o.d., Tex. (U.S.N.M.)]

*Anisobas texensis* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 1, ♂, ♀.

[Tex.]

**NEOTYPUS** Foerster

*Neotypus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 194.

Genotype: *Ichneumon lapidator* Fabricius.

**Neotypus americanus** Cushman

?*Neotypus lapidator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632.

[N.J.] Misdetermined?

*Neotypus americanus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 1.

♂. [o.d., Hocking Co., Ohio (U.S.N.M.)]

*Neotypus americanus* Peck, Canad. Jour. Res., 1937, D, 15: 236, 250. [morphology, fig., ♂ genitalia]

**Neotypus lapidator** (Fabricius)

*Ichneumon lapidator* Fabricius, Ent. System. 1793, 2: 160. [o.d., Halle, Germany (location of type unknown)] Preoccupied by Fabricius, 1787, but not renamed because of taxonomic uncertainties.

*Neotypus lapidator* Holmgren, Ichneum. Suecica, 1871, 2: 292. ♂, ♀. [syn., des., France, Holland, Sweden]

*Neotypus lapidator* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 1. ♀. [Ore.]

## Subfamily 4. PHAEOGENINAE

## Tribe 4. ISCHNOJOPPINI

**TROGOMORPHA** Ashmead

*Trogomorpha* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 15.

Genotype: *Ichneumon trogiformis* Cresson.

**Trogomorpha trogiformis** (Cresson)

*Ichneumon ferrugator* Fabricius, Ent. System., 1793, 2: 154. [o.d., "ad Americes littora" (location of type unknown).] Preoccupied by Swederus, 1787.

*Joppa ferrugator* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 295. ♂, ♀. [des., Carolina, Pa.]

*Ichneumon trogiformis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 175. ♂. [o.d., N.J. (A.N.S.P.)]

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- Ichneumon? trogiformis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♂, ♀.  
[des., Fla., La., N.J.]
- Joppa ferrugator* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]
- Ichneumon trogiformis* Cresson, Trans. Amer. Ent. Soc., 1872, 3: 156. [Tex.]
- Ichneumon trogiformis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂, ♀.  
[key, des., Fla., Ga., La., N.J., Tex.]
- Ichneumon ferrugator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 308. [des.]
- Trogomorpha trogiformis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 15. [syn.]
- Ichneumon trogiformis* Foster, Proc. La. Soc. Nat. for 1897-1899, 1900, p. 63.  
[La.]
- Trogomorpha trogiformis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 221. [Tex.]
- Trogomorpha trogiformis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 72. [syn.]
- Trogomorpha ferrugator* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Trogomorpha ferrugator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 921. [syn., N.Y.]
- Trogomorpha ferrugator* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

#### Subfamily 4. PHAEOGENINAE

##### Tribe 5. ACANTHOJOPPINI

#### **PSEUDOPLATYLABUS** Smits van Burgst

*Pseudoplatylabus* Smits van Burgst, Ent. Ber., 1920, 5: 282.

Genotype: (*Pseudoplatylabus caudatus* Smits van Burgst) = *violentus* Gravenhorst.

An undescribed Nearctic species of this genus is in the Townes Collection.

#### Subfamily 4. PHAEOGENINAE

##### Tribe 6. EURYLABINI

#### **PROBOLUS** Wesmael

*Probolus* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 150.

Genotype: (*Ichneumon fossorius* Gravenhorst) = *alticola* Gravenhorst.

***Probolus expunctus*** (Cresson) new combination

*Ichneumon obliteratus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 147. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1855.

*Ichneumon obliteratus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

*Ichneumon expunctus* Cresson, Proc. Ent. Soc. Phila., 1867, 1: 290. [new name for *Ichneumon obliteratus* Cresson]

*Amblyteles expunctus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂.  
[key, des.]

*Trogus Provancheri* Burque, Nat. Canad., 1879, 11: 128. ♂. [o.d., Que. (location of type unknown)]



*Amblyteles expunctus* Provancher, Nat. Canad., 1882, 13: 327; (Faune, p. 766).  
[syn., des., Que.]

*Amblyteles expunctus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

**Probolus illaetabilis** (Cresson) new combination

*Amblyteles illaetabilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♂.  
[key, o.d., Ga. (A.N.S.P.)]

*Amblyteles innotabilis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

*Amblyteles illaetabilis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Probolus indistinctus** (Provancher) new combination

*Ichneumon indistinctus* Provancher, Nat. Canad., 1875, 7: 23, 75. ♀. [key, o.d., Que. (M.P.Q.)]

*Amblyteles indistinctus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.  
[key, des., Canada, Ga., Mass., N.H.]

*Amblyteles indistinctus* Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 300).  
[key, des.]

*Amblyteles indistinctus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

*Amblyteles indistinctus* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Amblyteles indistinctus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Amblyteles indistinctus* Johnson, Pub. Nantucket, Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

#### Subfamily 4. PHAEOGENINAE

#### Tribe 7. AMBLYTELINI

#### HOPLISMENUS Gravenhorst

*Hoplismenus* Gravenhorst, Ichneum. Europeae, 1829, 2: 409.

Genotype: (*Hoplismenus maestus* Gravenhorst) = *armatorius* Panzer.

*Rhysaspis* Tischbein, Stett. Ent. Ztg. 1874, 35: 139.

Genotype: *Rhysaspis rugosus* Tischbein.

**Hoplismenus morulus** variety **morulus** (Say)

*Ichneumon morulus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 73;  
(Leconte Ed., 1: 377). ♀. [o.d., Ind. (type destroyed)]

*Ichneumon* (*Ichneumon*) *morulus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

*Ichneumon morulus* Say, Boston Jour. Nat. Hist., 1836, 1: 227; (Leconte Ed., 2: 685). [des.]

*Hoplismenus morulus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [Eastern, Middle, and Western States]

*Ichneumon calcaratus* Provancher, Nat. Canad., 1875, 7: 21, 49. ♂. [key, o.d., Que. (M.P.Q.)]

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*Hoplismenus morulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂, ♀.  
[key, syn., des., Canada, Conn., N.J., N.Y., Va.]

*Hoplismenus morulus* Provancher, Nat. Canad., 1879, 11: 2; (Faune, p. 291).  
[key, des.]

*Hoplismenus morulus* Howard, in Scudder: Butterflies of Eastern U. S. and  
Canada, 1889, 3: 1878. [fig., host *a b*, Me., Mass.]

*Hoplismenus morulus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Hoplismenus morulus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Hoplismenus morulus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Hoplismenus morulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
[N.J., N.Y.]

*Hoplismenus morulus* Howard, The Insect Book, 1902, plate 10, fig. 29.

*Hoplismenus morulus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Hoplismenus morulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343.  
[des.]

*Hoplismenus morulus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.  
[Minn.]

*Hoplismenus morulus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Hoplismenus morulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
927. [host *a b*, N.Y.]

*Hoplismenus morulus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,  
1934, 188: 141. [biol., host *b*, Me.]

NYPHALIDAE: *a*, *Nymphalis antiopa*; *b*, *Polygonia interrogationis*.

***Hoplismenus morulus* variety *flavitaris* (Cresson)**

*Trogus flavitaris* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. ♂. [o.d.,  
Colo. (A.N.S.P.)]

*Hoplismenus flavitaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [syn.]

*Hoplismenus flavitaris* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♂.  
[key, des.]

*Hoplismenus morulus* var. *flavitaris* Viereck, Trans. Amer. Ent. Soc., 1903, 29:  
75. [N.M.]

***Hoplismenus pacificus* Cresson**

*Hoplismenus pacificus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂, ♀.  
[key, o.d., Vancouver, Is., B.C. (A.N.S.P.)]

*Hoplismenus pacificus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354.  
[des.]

***Hoplismenus propitius* (Cresson) new combination**

*Ichneumon propitius* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [o.d.,  
Bosque Co., Tex. (U.S.N.M.)]

*Ichneumon propitius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂.  
[key, des.]

*Ichneumon tharotis* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 22. ♀.  
[o.d., host *b*, (?Mass.) (U.S.N.M.)] New synonymy.

*Ichneumon instabilis* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1876. [syn. (in part), host *b*] Misdetermined in part.

*Amblyteles propitius* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 1. ♂, ♀.  
[des., host *a b*, Ill., Mass., N.H.]

*Amblyteles propitius* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *a*, N.H.]

*Amblyteles propitius* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

NYMPHALIDAE: *a*, *Melitaea harrisii*; *b*, *Phyciodes tharos*.

### **Hoplismenus rutilus** (Cresson)

*Ichneumon rutilus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 169. ♀. [o.d., Va. (A.N.S.P.)]

*Ichneumon?* *rutilus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, des.]

*Hoplismenus rutilus* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 1. [syn.]

*Hoplismenus rutilus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.  
[Me.]

*Hoplismenus rutilus* (!) Brimley, Insects of N.C., 1938, p. 405. [N.C.]

### **Hoplismenus scutellatus** (Provancher)

*Ichneumon scutellatus* Provancher, Nat. Canad., 1875, 7: 24, 78. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Hoplismenus scutellatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 186. ♂.  
[key, des.]

*Hoplismenus scutellatus* Provancher, Nat. Canad., 1879, 11: 3; (Faune, p. 291).  
[key, des.]

*Hoplismenus transversus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♂.  
[o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

### **PLAGIOTRYPES** Ashmead

*Plagiotrypes* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 20.

Genotype: *Ichneumon concinnus* Say.

*Neopyga* Heinrich, Mitt. Zool. Mus. Berlin, 1930, 15: 545. New synonymy.

Genotype: *Neopyga armata* Heinrich. By present designation.

### **Plagiotrypes concinnus** (Say)

*Ichneumon concinnus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 68;  
(Leconte Ed. 1: 274). (♀) (not second ♀ described). [o.d., Ind. (M.C.Z.)]

*Hoplismenus concinnus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 89. [syn.]

*Amblyteles?* *concinnus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. [key, des., Ill., N.C.]

*Plagiotrypes concinnus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 20. [syn.]

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*Plagiotrypes concinnus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]

*Amblyteles concinnus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

### MELANICHNEUMON Thomson

*Melanichneumon* Thomson, Opusc. Ent., 1893, 18: 1954.

Genotype: *Ichneumon spectabilis* Holmgren.

*Barichneumon* Thomson, Opusc. Ent., 1893, 18: 1959.

Genotype: *Ichneumon anator* Gravenhorst.

*Bystra* Cameron, Ann. Mag. Nat. Hist., 1902, (7), 9: 149.

Genotype: *Bystra testacea* Cameron.

*Lissosculpta* Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 193.

Genotype: *Ichneumon impexus* Tosquinet.

*Intermedichneumon* Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 194.

Genotype: *Ichneumon ocellus* Tosquinet.

*Menkokia* Heinrich, Mitt. Zool. Mus. Berlin, 1934, 20: 194.

Genotype: *Melanichneumon (Menkokia) major* Heinrich.

### *Melanichneumon absconditus* (Provancher) new combination

*Ichneumon absconditus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 31.

♂. [o.d., Ottawa, Ont. (M.P.Q.)]

### *Melanichneumon albomarginatus* (Cresson) new combination

*Ichneumon albomarginatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♂.

[o.d., Miss. (A.N.S.P.)]

*Ichneumon albomarginatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂.

[key, des.]

*Ichneumon albomarginatus* Provancher, Nat. Canad., 1878, 10: 270, 299;

(Faune, p. 275). [key, des., Que.]

### *Melanichneumon annulicornis* (Ashmead) new combination

*Colpognathus annulicornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 396. ♀.

[o.d., Bayou Sara, La. (U.S.N.M.)]

### *Melanichneumon blandii* (Cresson) new combination

*Ischnus blandii* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 188. ♂. [o.d., Pa.

(A.N.S.P.)]

*Ichneumon blandii* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn.]

*Ichneumon blandii* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key,

des.]

*Ichneumon blandii* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.

[N.Y.]

*Ichneumon blandi* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]

*Amblyteles blandii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles blandii* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Melanichneumon brevicinctor** (Say) new combination

*Ichneumon brevicinctor* Say, Amer. Ent., 1825, 2: 49; (Leconte Ed., 1: 49). ♂. [o.d., fig., no locality given (type destroyed)].

*Ichneumon (Ichneumon) brevicinctor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

*Ichneumon brevicinctor* Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte Ed., 2: 686). [des.]

*Ichneumon brevicinctor?* Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 193. [des., fig., N.Y.]

*Ichneumon extrematis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 149. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon brevicinctor* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

*Ichneumon brevicinctor* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

*Ichneumon extrematatis* (!) Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

*Phygadeuon niger* Provancher, Nat. Canad., 1874, 6: 280. ♀. [key, o.d., Que. (type lost)]

*Ichneumon brevicinctor* Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

*Phygadeuon niger* Provancher, Nat. Canad., 1875, 7: 182. [key]

*Ichneumon extrematatis* (!) Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♂, ♀. [key, des., Canada, Ill., La., Mass., N.H.]

*Ichneumon brevicinctor* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. [key, des., Canada, Colo., Del., Md., Mass., N.J.]

*Ichneumon extrematatis* (!) Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p. 270). [key, des.]

*Ichneumon brevicinctor* Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p. 270). ♂, (not ♀). [key, des.]

*Ichneumon brevicinctus* (!) Webster, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 46. [host f, Ind.]

*Ichneumon brevicinctor* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon extrematatus* (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon brevicinctor* Slosson, Ent. News, 1895, 6: 4. [N.H.]

*Ichneumon extrematatis* (!) Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Ichneumon brevicinctor* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon brevicinctor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

*Ichneumon extrematatis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

- Ichneumon brevicinctor* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon extrematatis* (!) Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon (Eurylabus) extrematatis* (!) Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
- Ichneumon (Cratichneumon) extrematatis* (!) Viereck, Trans. Amer. Ent. Soc., 1905, 32: 183. [Kans.]
- Cratichneumon extrematatis* (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Ichneumon brevicinctor* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 632. [N.J.]
- Ichneumon extrematatis* (!) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon extrematis* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 125: 10. [biol., host *e*, D.C.]
- Ichneumon extrematatis* (!) Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 52. [host *b*, Mass.]
- Ichneumon extrematus* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles (Melanichneumon) extrematatis* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
- Amblyteles (Cratichneumon) brevicinctor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
- Amblyteles brevicinctor* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles brevicinctor* Viñal and Caffrey, Bull. Mass. Agr. Exp. Sta., 1919, 189: 58. [host *a*, Mass.]
- Amblyteles brevicinctor* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [syn., des., host *d*, Va.]
- Amblyteles extrematatis* (!) Champlain, Psyche, 1922, 29: 100. [host *g*, Pa.]
- Amblyteles brevicinctor* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
- Amblyteles extrematis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles brevicinctor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [host *a*, N.Y.]
- Amblyteles brevicinctor* Ries, Bull. Amer. Iris Soc., 1929, 32: 38. [host *h*, Md.]
- Amblyteles brevicinctor* Johnson, Pub. Nantucket Maria Mitchell Ass. 1930, 3, no. 2: 97. [Mass.]
- Amblyteles brevicinctor* Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host *c*, Wis.]
- Amblyteles brevicinctor* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *i*, N.J.]
- Amblyteles brevicinctor* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*. GEOMETRIDAE: *b*, *Itame sulphurea*. PHALAENIDAE: *c*, *Achatodes zeae*; *d*, *Bleptina* sp.; *e*, *Callopietria floridensis*; *f*, *Cirphis unipuncta*; *g*, *Lascoria ambigualis*; *h*, *Macronoctua onusta*. ARCTIIDAE: *i*, *Hyphantria cunea*.

**Melanichneumon cordatus** (Cresson) new combination

*Ichneumon cordatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 146. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon cordatus* Cresson, Proc. Ent. Soc. Phila., 1865, 3: 250. [Colo.]

*Ichneumon cordatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, des.]

**Melanichneumon disparilis** (Cresson) new combination

*Ichneumon disparilis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♀. [o.d., Conn. (A.N.S.P.)]

*Ichneumon disparilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, des.]

*Amblyteles* (*Pterocormus*?) *disparilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles disparilis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 395. [Me.]

*Ichneumon disparilis* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Melanichneumon gestuosus** (Cresson) new combination

*Ichneumon gestuosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), B.C.]

*Cratichneumon pluto* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Amblyteles questuosus* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

*Amblyteles gestuosus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.?]

*Amblyteles ohioensis* DeGant, Proc. U. S. Nat. Mus., 1933, 82, art. 11: 1. ♂, ♀. [o.d., Bedford, Ohio (U.S.N.M.)] New synonymy.

**Melanichneumon heiligbrodtii** (Cresson) new combination

*Ichneumon Heiligbrodtii* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key, o.d., Bastrop, Tex. (A.N.S.P.)]

*Amblyteles heiligbrodti* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles heiligbrodti* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Melanichneumon helvipes** (Cresson) new combination

*Ichneumon helvipes* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 297. ♂, ♀. [o.d., Ill. (A.N.S.P.), Conn., Mass.]

*Ichneumon helvipes* Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]

*Phygadeuon niger* Provancher, Nat. Canad., 1876, 8: 317. ♀. [o.d., Que. (type lost)] Preoccupied by Provancher, 1874.

*Ichneumon helvipes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂, ♀. [key, syn., des.]

*Ichneumon helvipes* Provancher, Nat. Canad., 1878, 10: 267, 270, 299; (Faune, p. 275). [key, des.]

*Phygadeuon electus* Provancher, Addit. Faune Canada, Hymen., 1886, p. 51. ♂ (not ♀). [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Ichneumon helvipes* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon helvipes* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Amblyteles* (*Barichneumon*) *helvipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles helvipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

***Melanichneumon honestus* (Cresson) new combination**

*Ichneumon honestus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 310. ♂. [o.d., W.Va. (A.N.S.P.)]

*Ichneumon honestus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, des., Ga., W.Va.]

*Amblyteles honestus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Melanichneumon leviculus* (Cresson) new combination**

*Ichneumon leviculus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, o.d., N.Y. (A.N.S.P.), Va.]

*Ichneumon leviculus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Amblyteles* (*Cratichneumon*?) *leviculus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

*Amblyteles leviculus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles leviculus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles leviculus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Melanichneumon libens* (Cresson) new combination**

*Ichneumon libens* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♂. [key, o.d., Ill. (A.N.S.P.), N.J., N.Y.]

***Melanichneumon limbifrons* (Cresson) new combination**

*Ichneumon limbifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 182. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon limbifrons* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

*Ichneumon limbifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des.]

*Ichneumon* (*Barichneumon*) *limbifrons* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Colo.]



**Melanichneumon mimicus** (Cresson) new combination

*Ichneumon mimicus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 300. ♂. [o.d., Mass. (A.N.S.P.), Conn.]

*Ichneumon mimicus* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, des., Que.]

*Ichneumon mimicus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]

*Ichneumon mimicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Canada, Conn., Mass., N.Y.]

*Ichneumon mimicus* Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 277). [key, des.]

*Ichneumon mimicus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Amblyteles* (*Pterocormus*?) *mimicus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles mimicus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles mimicus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

**Melanichneumon nigripes** (Provancher) new combination

*Ichneumon nigripes* Provancher, Nat. Canad., 1882, 13: 310, 324; (Faune, p. 764). ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Amblyteles nigripes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

**Melanichneumon ornatipes** (Cresson) new combination

*Ichneumon ornatipes* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♂. [o.d., W.Va. (A.N.S.P.)]

*Ichneumon ornatipes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key, des.]

**Melanichneumon residuus** (Say) new combination

*Ichneumon residuus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 73; (Leconte Ed., 1: 377). (♀). [o.d., Ind. (type destroyed)]

*Ichneumon* (*Ichneumon*) *residuus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

*Ichneumon residuus* Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 688). [des.]

*Ichneumon utilis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♂. [o.d., host *a*, Mass. (A.N.S.P.) Conn.] New synonymy.

*Ichneumon residuus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Md., Mass., Pa.]

*Ichneumon utilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♂. [key, des., Conn., Mass., N.Y.]

*Platylabus (Colocnema?) omniferrugineus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 322. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

*Amblyteles (Pterocormus?) utilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles residuus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167. [syn.]

GEOMETRIDAE: a, canker worm.

**Melanichneumon rubicundus** (Cresson) new combination

*Ichneumon rubicundus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 176. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon rubicundus* Norton, Trans. Amer. Ent. Soc., 1869, 2: 326. [host b, Conn.]

*Ichneumon rubicundus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

*Ichneumon mucronatus* Provancher, Nat. Canad., 1875, 7: 24, 81. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Ichneumon mucronatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♂. [key, des., Canada, Va.]

*Ichneumon rubicundus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Canada, Ill., Tex.]

*Ichneumon mucronatus* Provancher, Nat. Canad., 1878, 10: 273, 364; (Faune, p. 290). [key, des.]

*Ichneumon rubicundus* Provancher, Nat. Canad., 1882, 13: 311, 326; (Faune, p. 765). ♂. [key, des., Que.]

*Ichneumon rubicundus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Ichneumon rubicundus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon blanchardi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Mt. Lafayette, N.H. (A.N.S.P.)] New synonymy.

*Ichneumon rubicundus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon rubicundus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Amblyteles rubicundus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 289. [syn.]

*Amblyteles rubicundus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles rubicundus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles mucronatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles mucronatus* Breakey, Ann. Ent. Soc. Amer., 1931, 24: 43. [host a]

*Amblyteles mucronatus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Amblyteles rubicundus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

*Ichneumon rubicundus* Townes, Ent. News, 1939, 49: 219. [biol.]

PHALAEINIDAE: a, *Macronoctua onusta*. DIPRIONIDAE: b, *Neodiprion abietis*.

**Melanichneumon saevus** (Cresson) new combination

*Ichneumon saevus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon saevus* Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

*Ichneumon saevus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♀. [key, des.]

**Melanichneumon saundersii** (Cresson) new combination

*Ichneumon Saundersii* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂. [key, o.d., Canada (A.N.S.P.)]

**Melanichneumon solitus** (Cresson) new combination

*Ichneumon solitus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♀. [key, o.d., Lake Lahache, B.C. (A.N.S.P.), Colo.]

*Ichneumon solitus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 348. [des.]

*Ichneumon solitus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J., N.Y.]

*Amblyteles solitus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles solitus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Melanichneumon soror** (Cresson) new combination

*Ichneumon soror* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 185. ♀. [o.d., Del. (A.N.S.P.)]

*Ichneumon soror* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, des., Canada, Ill., Mass., N.Y.]

*Ichneumon soror* Provancher, Nat. Canad., 1882, 13: 306, 326; (Faune, p. 766). [key, des., Que.]

*Ichneumon bimaculatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 357. ♂. [o.d., Ottawa, Ont. (M.P.Q.)] Preoccupied by Schrank, 1776. New synonymy.

*Ichneumon sorror* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]

*Ichneumon bimacularis* Dalla Torre, Cat. Hymen., 1902, 3: 863. [new name for *Ichneumon bimaculatus* Provancher]

*Ichneumon soror* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Barichneumon soror* Roman, Ent. Tidskr., 1910, 31: 149. [Ill., Tex.]

*Amblyteles* (*Barichneumon*) *soror* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key, Conn.]

*Amblyteles soror* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles soror* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles soror* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**Melanichneumon subcyaneus** (Cresson) new combination

- Ichneumon pullatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 146. ♂. [o.d., Ill. (A.N.S.P.), Del.]
- Ichneumon subcyaneus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 148. ♀. [o.d., N.J. (A.N.S.P.)]
- Ichneumon subcyaneus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [des., Colo.]
- Ichneumon subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]
- Ichneumon pullatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290, 294. [syn., Eastern, Middle, and Western States]
- Ichneumon subcyaneus* Riley, Ann. Rpt. Insects of Mo., 1871, 3: 69. [syn., host b]
- Ichneumon subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]
- Ichneumon pullatus* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Ichneumon subcyaneus* Provancher, Nat. Canad., 1875, 7: 22, 51. [key, Que.]
- Ichneumon subcyaneus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♂, ♀. [key, syn., des., Canada, Colo., Del., Ga., Ill., Mass., Mo., N.J., N.Y., Pa., Tex.]
- Ichneumon subcyaneus* Provancher, Nat. Canad., 1878, 10: 267, 270, 293; (Faune, p. 269). [key, des.]
- Ichneumon subcyaneus* Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]
- Ichneumon subcyaneus* Riley and Howard, Insect Life, 1890, 4: 151. [host b e, D.C., Mo., N.J., N.Y., N.C.]
- Ichneumon subcyaneus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon subcyaneus* Howard, Tech. Ser. U.S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., host e, D.C.]
- Ichneumon subcyaneus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon subcyaneus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Amblyteles* (*Cratichneumon*) *subcyaneus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, host a, Conn.]
- Amblyteles subcyaneus* Champlain, Psyche, 1922, 29: 99. [host d, Pa.]
- Amblyteles subcyaneus* Blackman and Stage, Tech. Pub. N.Y. Col. Forestry, 1924, 17: 181. [biol., N.Y.]
- Amblyteles pullatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles subcyaneus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles pullatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [host b, N.Y.]
- Amblyteles subcyaneus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles subcyaneus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles pullatus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

*Amblyteles pullatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host c, Mass., N.J.]

LYMANTRIIDAE: a, ?*Hemerocampa leucostigma*. ARCTIIDAE: b, *Diacrisia virginica*; c, *Hyphantria cunea*; d, arctiid. TENTHREDINIDAE: e, *Nematus ventralis*.

***Melanichneumon terminalis* (Cresson) new combination**

*Ichneumon terminalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 184. ♀. [o.d., Del. (A.N.S.P.)]

*Ichneumon finitimus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂ (not ♀). [o.d., Ill. (A.N.S.P.), Conn., Pa.] New synonymy.

*Mesostenus apicalis* Provancher, Nat. Canad., 1875, 7: 266, 267. ♂. [key, o.d., Que. (type lost)] New synonymy.

*Ichneumon terminalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♀. [key, des.]

*Ichneumon finitimus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, syn., des., Canada, Ill., N.H., N.Y., Pa.]

*Ichneumon finitimus* var. *apicalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. [syn.]

*Ichneumon finitimus* Provancher, Nat. Canad., 1878, 10: 272, 356; (Faune, p. 281). [key, des.]

*Phygadeuon brevicaudus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 54. ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

*Ichneumon brevicaudus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

*Amblyteles (Pterocormus?) terminalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles (Pterocormus?) finitimus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Ichneumon finitimus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Amblyteles finitimus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles finitimus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles finitimus* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]

*Amblyteles terminalis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

*Ichneumon finitimus* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

***Melanichneumon texanus* (Cresson) new combination**

*Ichneumon texanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♂. [key, o.d., Bosque Co., Tex. (A.N.S.P.)]

***Melanichneumon virginicus* (Cresson) new combination**

*Ichneumon virginicus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 181. ♀. [o.d., W.Va. (not Va.) (A.N.S.P.)]

*Ichneumon virginicus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [W.Va.]

*Ichneumon Virginicus* Provancher, Nat. Canad., 1875, 7: 24, 83. [key, Que.]

*Ichneumon virginicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des.]

**Melanichneumon vultus** (Cresson) new combination

*Ichneumon vultus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 165. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon vultus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

*Ichneumon vultus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂. [key, des.]

**Melanichneumon xanthogrammus** (Ashmead) new combination

*Ichneumon xanthogrammus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 390. ♂. [o.d., Tex. (U.S.N.M.)]

**Melanichneumon zebratus** (Cresson) new combination

*Ichneumon zebratus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon zebratus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [des., Tex.]

*Ichneumon zebratus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂, ♀. [key, des., Ga., Ill., Tex.]

*Amblyteles zebratus* Flanders, Pan-Pacific Ent., 1926, 2: 158. [host a, Calif.]

*Amblyteles puerilis* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig.] Misdetermined.

*Amblyteles zebratus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

GEOMETRIDAE: a, *Prochoerodes forficaria*.

**CRATICHNEUMON** Thomson

*Cratichtneumon* Thomson, Opusc. Ent., 1893, 18: 1945.

Genotype: (*Ichneumon luteiventris* Thomson) = *luteiventris* Gravenhorst.

?*Cosmijoppa* Cameron, Ztschr. Hymen. Dipt., 1902, 2: 395.

Genotype: *Cosmijoppa violaceipennis* Cameron.

*Lareiga* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 13.

Genotype: *Lareiga rufofemorata* Cameron.

*Belargea* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 15.

Genotype: *Belargea albomaculata* Cameron.

*Odontojoppa* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 16, 177.

Genotype: *Odontojoppa metallica* Cameron.

*Sycaonia* Cameron, Trans. Ent. Soc. London, 1903, p. 224.

Genotype: *Sycaonia rufofacies* Cameron.

?*Vabsaris* Cameron, Ent., 1903, 36: 96.

Genotype: *Vabsaris forticornis* Cameron.

?*Lynteria* Cameron, Ztschr. Hymen. Dipt., 1904, 4: 220.

Genotype: *Lynteria violaceipennis* Cameron.

?*Lissichneumon* Cameron, Ent., 1906, 39: 227.

Genotype: *Lissichneumon levis* Cameron.

*Neocratichneumon* Heinrich, Mém. Acad. Malagache, 1938, 25: 94.

Genotype: *Cratichneumon* (*Neocratichneumon*) *frequentior* Heinrich.

*Aculichneumon* Heinrich, Mém. Acad. Malagache, 1938, 25: 98.

Genotype: *Cratichneumon* (*Aculichneumon*) *longicauda* Heinrich.

*Seyrigichneumon* Heinrich, Mém. Acad. Malagache, 1938, 25: 99.

Genotype: *Cratichneumon* (*Seyrigichneumon*) *curticauda* Heinrich.

### ***Cratichneumon acerbus* (Cresson)**

*Ichneumon acerbus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♂. [o.d., Ill. (A.N.S.P.), Mass.]

*Ichneumon acerbus* Provancher, Nat. Canad., 1875, 7: 25. [key, Que.]

*Ichneumon corvinus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.

*Ichneumon acerbus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♂. [key, des., Canada, Ill., Mass., N.H.]

*Ichneumon acerbus* Provancher, Nat. Canad., 1878, 10: 269, 291; (Faune, p. 267). [key, des.]

*Ichneumon corvinus* Provancher, Nat. Canad., 1882, 13: 304, 321; (Faune, p. 761). [key, des., Que.]

*Cratichneumon acerbus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]

*Ichneumon acerbus* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]

*Amblyteles acerbus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

*Amblyteles corvinus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles acerbus* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]

*Amblyteles acerabus* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles corvinus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles acerbus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

*Amblyteles corvinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles acerbus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]

*Amblyteles acerbus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

*Amblyteles acerabus* (!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 395. [Me.]

*Amblyteles acerbus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a. Canada]

GEOMETRIDAE: a, *Protoboarmia porcelaria*.

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**Cratichneumon alternans** (Provancher) new combination

*Phygadeuon alternans* Provancher, Nat. Canad., 1882, 13: 335, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon alternans* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

*Ichneumon alternans* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

**Cratichneumon annulatipes** (Provancher) new combination

*Phaeogenes annulatipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 43. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Ichneumon annulipes* Davis, Canad. Ent., 1895, 27: 287. [syn. (in part)]

**Cratichneumon annulatus** (Provancher)

*Mesostenus annulatus* Provancher, Nat. Canad., 1875, 7: 265, 267. ♂. [key, o.d., Que. (M.P.Q.)]

*Ichneumon annulatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, des., Canada, Mass.]

*Ichneumon annulatus* Provancher, Nat. Canad., 1878, 10: 273, 363; (Faune, p. 288). [key, des.]

*Ichneumon annulatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.J.]

*Cratichneumon annulatus* Roman, Ent. Tidskr., 1910, 31: 153. [syn.]

**Cratichneumon arizonensis** (Viereck) new combination

*Ichneumon (Eurylabus) arizonensis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 295. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

*Ichneumon (Eurylabus) arizonensis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]

**Cratichneumon ashmeadi** (Schulz) new combination

*Ichneumon imitator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 151. ♂. [key, o.d., Alaska (U.S.N.M.).] Preoccupied by Villers, 1789.

*Euichneumon imitator* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

*Ichneumon Ashmeadi* Schulz, Spolia Hymenopterologica, 1906, p. 128. [new name for *Ichneumon imitator* Ashmead]

**Cratichneumon burrus** (Cresson) \* new combination

*Ichneumon burrus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 14. ♀. [o.d., Cuba (A.N.S.P.)]

**Cratichneumon confusus** (Ashmead)

*Cratichneumon confusus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 158. ♂. [key, o.d., Alaska (U.S.N.M.)]

*Plectrocryptus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 183. ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

\* A female in the Townes Collection is from Cortez Beach, Manatee Co., Fla., collected January 4, 1925, by T. H. Hubbell.



*Plectocryptus yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 183. ♀. [key, o.d., fig., Alaska (U.S.N.M.).] Not *Cratichneumon yakutatensis* Ashmead p. 157. New synonymy.

*Amblyteles yakutatensis* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 1. [syn., des.]

***Cratichneumon duplicatus* (Say) new combination**

*Ichneumon duplicatus* Say, Boston Jour. Nat. Hist., 1836, 1: 230; (Leconte Ed., 2: 688). ♂. [o.d., no locality given (M.C.Z.)]

*Amblyteles* (*Pterocormus*?) *duplicatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key.] Based on misdetermined *Cratichneumon signatipes*.

***Cratichneumon ericaeus* new name**

*Ichneumon pygmaeus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)] Preoccupied by Poda, 1761.

***Cratichneumon erythromelas* (MacLachlan)**

*Ichneumon erythromelas* MacLachlan, Jour. Linnean Soc. Zool., 1878, 14: 106. ♀. [o.d., American side of the Kennedy and Robeson Channel, between N.W. Greenland and Grinnel or Grantland, 82° 29' N. and 82° 33' N. (?British Mus.)]

*Ichneumon erythromelas* Strand, Rpt. Second Norwegian Arctic Exped. in the "Fram" 1898–1902, 1905, no. 3: 6. [des., Greenland]

*Cratichneumon?* *erythromelas* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 282. [des., Greenland]

***Cratichneumon facetus* (Cresson) new combination**

*Ichneumon facetus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♂. [o.d., W.Va. (A.N.S.P.)]

*Ichneumon facetus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♂. [key, des., Ill., W.Va.]

*Ichneumon facetus* Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Mo., Va.]

*Amblyteles facetus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
MISCELLANEOUS: *a*, lepidopteran.

***Cratichneumon involutus* (Cresson) new combination**

*Ichneumon involutus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 183. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon involutus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. [Colo.]

*Ichneumon involutus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♀. [key, des.]

***Cratichneumon kincaidi* (Ashmead) new combination**

*Ichneumon kincaidi* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 152. ♂. [key, o.d., Virgin Bay, Alaska (U.S.N.M.)]

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*Cratichneumon alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 157. ♂.  
[key, o.d., Kodiak, Alaska (U.S.N.M.).] New synonymy.

*Euichneumon Kincaidi* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

***Cratichneumon lariae* (Curtis)**

*Ichneumon Lariae* Curtis, in Ross: Appendix to the Narrative of a Second Voyage in Search of a North-West Passage 1829-33, 1835, p. LXI. (♀).  
[o.d., fig., host *a*, (Arctic America) (location of type unknown)]

*Ichneumon lariae* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

*Cratichneumon lariae* Roman, Ent. Tidskr., 1910, 31: 153. [syn.]

LYMANTRIIDAE: *a*, *Byrdia rossii*.

***Cratichneumon magus* (Wesmael)**

*Ichneumon magus* Wesmael, Bull. Acad. Sci. Belgique, 1855, 22: 389. ♂?, ♀.  
[o.d., Sweden (?Stockholm Mus.)]

*Ichneumon (Cratichneumon) magus* Thomson, Opusc. Ent., 1893, 18: 1954.  
[des.]

*Cratichneumon magus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 538. [syn.,  
des., Europe, Greenland.]

***Cratichneumon paratus* (Say) new combination**

*Ichneumon parata* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 68;  
(Leconte Ed., 1: 373). (♂). [o.d., Ind. (type destroyed)]

*Ichneumon (Ichneumon) paratus* Harris, Rpt. Geol. Min. Bot. Zool. Mass.,  
Ed. 2, 1835, p. 585. [Mass.]

*Ichneumon parata* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167.  
[des., fig., host *a*, Mass.]

*Ischnus paratus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. [syn.]

*Ichneumon annulipes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 170. ♀. [o.d.,  
Del. (A.N.S.P.).] New synonymy.

*Ichneumon pusillus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 171. ♀. [o.d.,  
Del. (A.N.S.P.)]

*Ichneumon paratus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern,  
Middle, and Western States]

*Ichneumon paratus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key,  
des., Canada, Del., N.Y., Pa., Va.]

*Ichneumon annulipes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key,  
syn., des., Canada, Del., Mass., N.H., Va.]

*Ichneumon paratus* Provancher, Nat. Canad., 1878, 10: 271, 355; (Faune, p.  
280). [key, des., Que.]

*Ichneumon paratus* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [host *a*]

*Ichneumon annulipes* Provancher, Nat. Canad., 1882, 13: 306, 325; (Faune, p.  
765). [key, des., Que.]

*Ichneumon paratus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

*Ichneumon annulipes* Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.

*Ichneumon paratus* Slosson, Ent. News, 1898, 8: 253. [N.H.]

- Ichneumon paratus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Ichneumon annulipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [Pa.]  
*Ichneumon paratus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [Pa.]  
*Ichneumon paratus* Nason, Ent. News, 1905, 16: 148. [Ill.]  
*Barichneumon paratus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]  
*Ichneumon paratus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]  
*Cratichneumon annulipes* Roman, Ent. Tidskr., 1910, 31: 153. [syn.]  
*Ichneumon annulipes* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]  
*Ichneumon paratus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]  
*Amblyteles* (*Cratichneumon*?) *annulipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]  
*Amblyteles* (*Pterocormus*?) *paratus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]  
*Amblyteles amulipes* (!) Washburn, Ann. Rpt. State Ent. Minn. 1918, 17: 173. [Minn.]  
*Amblyteles paratus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]  
*Amblyteles paratus* Champlain, Psyche, 1922, 29: 100. [host b, Pa.]  
*Amblyteles annulipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]  
 In part.  
*Amblyteles annulipes* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]  
*Amblyteles paratus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Amblyteles annulipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]  
*Amblyteles annulipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]  
*Amblyteles paratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]  
*Amblyteles annulipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]  
*Amblyteles paratus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]  
*Amblyteles annulipes* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
*Amblyteles paratus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: a, *Cirphis unipuncta*. MISCELLANEOUS: b, small moth pupa.

***Cratichneumon pectoralis* (Say) new combination**

- Ichneumon pectoralis* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte Ed., 1: 376). (♂). [o.d., Ind. (type destroyed)]  
*Ichneumon pectoralis* Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 688). [des.]  
*Ichneumon pectoralis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 208. [des.]

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*Amblyteles pectoralis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]

**Cratichneumon petulcus** (Cresson) new combination.

*Ichneumon petulcus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 185. ♀. [key, o.d., Santa Barbara, Calif. (A.N.S.P.)]

*Ichneumon petulcus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354. ♀. [des., Calif.]

**Cratichneumon pilosulus** (Provancher) new combination

*Ichneumon pilosulus* Provancher, Nat. Canad., 1875, 7: 25. ♀. [key, o.d., Que. (M.P.Q.)]

*Ichneumon pilosulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key, des., Canada, Mass.]

*Ichneumon pilosulus* Provancher, Nat. Canad., 1878, 10: 267, 295; (Faune, p. 271). [key, des.]

*Amblyteles pilosulus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles pilosulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Cratichneumon popofensis** Ashmead

*Cratichneumon popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 159. ♂, ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

**Cratichneumon promptus** (Cresson) new combination

*Ichneumon promptus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 152. ♂, ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), Mass.]

*Ichneumon promptus* Slosson, Ent. News, 1895, 6: 4. [N.H.]

*Ichneumon promptus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Amblyteles promptus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Protoboarmia porcelaria*.

**Cratichneumon proximus** (Cresson) new combination

*Ischnus proximus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 187. ♂. [o.d., Pa. (A.N.S.P.)]

*Ichneumon sublatius* var. *proximus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn.]

*Ichneumon sagus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♀ (♂ mis-determined). [o.d., Ill. (A.N.S.P.), Conn., D.C., Mass., N.Y.] New synonymy.

*Ichneumon sagus* Provancher, Nat. Canad., 1875, 7: 22, 51. [key, Que.]

*Ichneumon sagus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 152. ♂, ♀. [key, des.]

*Ichneumon sublatius* var. *proximus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des.]

- Ichneumon sublatus* var. *proximus* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 272). [key, des.]
- Ichneumon sagus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Ichneumon sagus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- Ichneumon sagus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Ichneumon sublatus* var. *proximus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon sagus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Amblyteles (Stenichneumon) sublatus* var. *proximus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles (Pterocormus?) sagus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles proximus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles sagus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles sagus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles proximus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles proximus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles sagus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon pteridis* new name**

- Phygadeuon proximus* Provancher, Nat. Canad., 1874, 6: 283. ♀. [key, o.d., Que. (M.P.Q.).] Preoccupied in *Cratichneumon* by Cresson, 1864.
- Phygadeuon proximus* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Ichneumon proximus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 184. ♀. [key, des., Canada, N.H.]
- Ichneumon proximus* Provancher, Nat. Canad., 1878, 10: 269, 365; (Faune, p. 290). [key, des.]
- Amblyteles proximus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

***Cratichneumon quintilis* (Viereck) new combination**

- Ichneumon nanus* Cresson, Trans. Amer. Ent. Soc., 1877, 4: 184. ♀. [key, o.d., N.Y. (A.N.S.P.), Canada, Ill., N.J., N.C., Va.] Preoccupied by Ratzeburg, 1848.
- Ichneumon nanus* Provancher, Nat. Canad., 1882, 13: 306, 326; (Faune, p. 765). [key, des., Que.]
- Ichneumon nanus* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Ichneumon nanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [host a, N.J.]
- Amblyteles (Pterocormus?) nanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles (Pterocormus) quintilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 354, 357. ♂. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]. New synonymy.

*Amblyteles nanodes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [new name for *Ichneumon nanus* Cresson]

*Amblyteles nanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles nanodes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles nanodes* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

*Amblyteles nanus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHYCITIDAE: a, *Acrobasis rubrifasciella*.

***Cratichneumon rubricus*** (Provancher) new combination

*Phygadeuon rubricus* Provancher, Nat. Canad., 1882, 13: 335, 358; (Faune, p. 780). ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon rubricus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

*Ichneumon rubricus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

***Cratichneumon russatus*** (Cresson) new combination

*Ichneumon russatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Ichneumon russatus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 353. [des.]

*Ichneumon russatus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

*Ichneumon (Barichneumon) citrinifacialis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 297. ♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans.)]. New synonymy.

*Amblyteles russatus* Brues, Rpt. Canad. Arctic Exped., 1919, vol. III, pt. G, p. 21. [N.W. Terr.]

***Cratichneumon scitulus*** (Cresson) new combination

*Ischnus scitulus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 193. ♂. [o.d., Ill. (A.N.S.P.)]

*Ichneumon scitulus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 310. [des., Conn., W.Va.]

*Ichneumon scitulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, des., Canada, Conn., Ill., Mass., N.H., N.Y., Va.]

*Ichneumon scitulus* Provancher, Nat. Canad., 1878, 10: 273, 363; (Faune, p. 289). [key, des.]

?*Cryptus flavipectus* Provancher, Nat. Canad., 1879, 11: 134; (Faune, p. 333). ♂ (not ♀). [key, o.d., Que. (type lost)]

?*Ichneumon scitulus* var. *flavipectus* Provancher, Nat. Canad., 1882, 13: 361; (Faune, p. 783). [syn.]

*Ichneumon scitulus* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Ichneumon scitulus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Amblyteles (Pterocormus?) scitulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles annulipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 288. [syn.]  
In part.

*Amblyteles scitulus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

*Amblyteles annulipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.] In part.

*Amblyteles scitulus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles scitulus* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]

*Amblyteles annulipes* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Craticheumon signatipes* (Cresson) new combination**

*Ichneumon duplicatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 309. [des., Eastern, Middle, and Western States] Misdetermined.

*Ichneumon signatipes* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Pa. (A.N.S.P.), Conn.]

*Ichneumon duplicatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♂. [key, des., Canada, Conn., Del., Ga., Mass., N.H., N.Y., Pa., Va.] Misdetermined.

*Ichneumon signatipes* Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host *b*]

*Ichneumon signatipes* Westcott, Canad. Ent., 1873, 3: 137. [host *c*, Ill.]

*Ichneumon lobatus* Provancher, Nat. Canad., 1875, 7: 23, 77. ♂. [key, o.d., Que. (M.P.Q.)]

*Ichneumon signatipes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key, des., Canada, Mass., N.H., Pa.]

*Ichneumon duplicatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♂. [key, syn., des.] Misdetermined.

*Ichneumon duplicatus* Provancher, Nat. Canad., 1878, 10: 273, 362; (Faune, p. 288). [key, des.] Misdetermined.

*Ichneumon signatipes* Riley, Amer. Ent., 1880, 3: 134. [biol., host *c*]

*Ichneumon duplicatus* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.] Misdetermined.

*Ichneumon signatipes* Riley and Howard, Insect Life, 1890, 3: 151. [host *b*, Mo.]

*Ichneumon duplicatus* Evans, Canad. Ent., 1896, 28: 10. [Ont.] Misdetermined.

*Ichneumon signatipes* Slosson, Ent. News, 1897, 8: 237. [N.H.]

*Ichneumon signatipes* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon signatipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

*Ichneumon duplicatus* Nason, Ent. News, 1905, 16: 148. [Ill.] Misdetermined.

*Ichneumon? (Stiboscopus?) oryxicornis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 324. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

*Stiboscopus oryxicornis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

- Ichneumon duplicatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.] Misdetermined.
- Ichneumon signatipes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [host *b*, N.J.]
- Amblyteles* (*Barichneumon*?) *duplicatiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 354, 360. ♂. [o.d. in key, Conn. (A.N.S.P.)] New synonymy.
- Amblyteles* (*Pterocormus*?) *signatipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles duplicatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [syn. (in part), Pa.] Misdetermined.
- Amblyteles duplicatus* Champlain, Psyche, 1922, 29: 100. [host *d*, Pa.] Misdetermined.
- Amblyteles duplicatus* Bell, Bull. Brooklyn Ent. Soc., 1923, 18: 23. [host *d*, N.Y.] Misdetermined.
- Amblyteles duplicatus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.] Misdetermined.
- Amblyteles duplicatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.] Misdetermined.
- Amblyteles duplicatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.] Misdetermined.
- Amblyteles duplicatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.] Misdetermined.
- Amblyteles signatipes* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Amblyteles duplicatus* Neiswander, Jour. Econ. Ent., 1941, 34: 388. [host *a*, Ohio] Misdetermined.

GEOMETRIDAE: *a*, *Coryphista meadii*. ARCTIIDAE: *b*, *Diacrisia virginica*; *c*, *Isia isabella*. HESPERIIDAE: *d*, *Proteides clarus*.

***Cratichneumon suadus* (Cresson) new combination**

- Ichneumon suadus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key, o.d., Canada (A.N.S.P.)]
- Ichneumon suadus* Provancher, Nat. Canad., 1882, 13: 308, 322; (Faune, p. 761). [key, des., Que.]
- Ichneumon suadus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]
- Ichneumon suadus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Ichneumon suadus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

***Cratichneumon sublatus* (Cresson) new combination**

- Ischnus sublatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 186. ♂. [o.d., Ill. (A.N.S.P.), Va.]
- Ichneumon sublatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Eastern, Middle, and Western States]
- Ichneumon pravus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key, o.d., Canada (A.N.S.P.), Mass.]



- Ichneumon sublatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des., Canada, Ill., Mass., N.H., Pa., Va.]
- Ichneumon pravus* Provancher, Nat. Canad., 1878, 10: 267, 295; (Faune, p. 271). [key, des., Que.]
- Ichneumon sublatus* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 292). [key, des., Que.]
- Ichneumon pravus* Riley and Howard, Insect Life, 1890, 3: 151. [host *a*, Mo.]
- Ichneumon sublatus* Slosson, Ent. News, 1894, 5: 4. [N.H.]
- Ichneumon pravus* Slosson, Ent. News, 1895, 6: 4. [N.H.]
- Amblyteles sublatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J., N.Y.]
- Ichneumon sublatus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon sublatus* Patch, Bull. Me. Agr. Exp. Sta., 1908, 161: 340. ♂, ♀. [fig., biol., host *b*, Me.]
- Ichneumon sublatus* Patch, Bull. Me. Agr. Exp. Sta., 1908, 162: 365. [biol., host *b*, Me.]
- Ichneumon sublatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]
- Ichneumon sublatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon sublatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]
- Amblyteles* (*Stenichneumon*) *sublatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles sublatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles sublatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. {syn., host *b*, Me., N.H.]
- Amblyteles sublatus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles sublatus* Collins, Jour. Agr. Res., 1926, 32: 693. [host *b*, New England]
- Amblyteles pravus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles sublatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles sublatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles sublatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *b*, Mass., N.H.]
- Amblyteles sublatus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

GEOMETRIDAE: *a*, *Ematurga amitaria*. NOTODONTIDAE: *b*, *Heterocampa guttivitta*.

### ***Cratichneumon unifasciatus* (Say)**

- Ichneumon unifasciatus* Say, Amer. Ent., 1825, 2: 48; (Leconte Ed., 1: 48). ♂. [o.d., fig., "Middle States" (M.C.Z.)]
- Ichneumon malacus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte Ed., 1: 376). (♀). [o.d., no locality given (type destroyed). New synonymy.]

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- Ichneumon unifasciatorius* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon malacus* Say, Boston Jour. Nat. Hist., 1836, 1: 227; (Leconte Ed., 2: 685). [des.]
- Ichneumon niger* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 302. ♂?, ♀. [o.d., N. Amer. (Paris Mus.)]
- Ichneumon afer* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 138. ♀. [o.d., Ill. (A.N.S.P.)]
- Ichneumon malacus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada, Eastern, Middle, and Western States]
- Ichneumon afer* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Conn., Ill.]
- Ichneumon unifasciatorius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Canada, Eastern, Middle, and Western States]
- Ichneumon unifasciatorius* Riley, Ann. Rpt. Insects of Mo., 1871, 3: 71. [host *j*]
- Ichneumon unifasciatorius* Provancher, Nat. Canad., 1875, 7: 22, 53. ♂, ♀. [key, Que.]
- Ichneumon maurus* Provancher, Nat. Canad., 1875, 7: 25. [key, Que.] Mis-determined.
- Ichneumon maurus* Provancher, Nat. Canad., 1875, 7: 239. [Que.] Mis-determined.
- Ichneumon malacus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, syn., des., Canada, Ill., N.J., N.Y., Pa.]
- Ichneumon scriptifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, o.d., Canada (A.N.S.P.)] New synonymy.
- Ichneumon unifasciatorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♂, ♀. [key, syn., des., Canada, Ga., Ill., Md., Mass., Pa.]
- Ichneumon malacus* Provancher, Nat. Canad., 1878, 10: 267, 290; (Faune, p. 266). [key, des., Que.]
- Ichneumon unifasciatorius* Provancher, Nat. Canad., 1878, 10: 269, 296; (Faune, p. 272). [key, des.]
- Ichneumon malacus* Osborn, Papilio, 1882, 2: 72. [des., biol., host *a*, Ia.]
- Ichneumon Vancouverensis* Taylor, Canad. Ent., 1884, 16: 91. [host *k*, B.C.] Nomen nudum.
- Ichneumon Vancouveriensis* Provancher, Canad. Ent., 1885, 17: 114. ♂. [o.d., Vancouver Is., B.C. (C.N.C.)] New synonymy.
- Ichneumon Vancouveriensis* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
- Ichneumon aterrimus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 30. ♀. [o.d., Que. (type lost)] New synonymy.
- Ichneumon Vancouveriensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 33. ♂. [des.]
- Ichneumon unifasciatorius* Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]
- Ichneumon malachus* (!) Riley and Howard, Insect Life, 1890, 3: 151. [host *e*, Mo.]
- Ichneumon unifasciatorius* Riley and Howard, Insect Life, 1890, 3: 151. [host *d*, *j*, Ill., Mo., Wis.]

- Ichneumon malacus* (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon unifasciatorius* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 43. [host j, Ohio]
- Ichneumon malacus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J., Pa.]
- Ichneumon flavicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [syn.] In part.
- Ichneumon scriptifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Ichneumon malacus* Howard, The Insect Book, 1902, plate 9, fig. 16.
- Ichneumon unifasciatorius* Howard, The Insect Book, 1902, plate 10, fig. 10.
- Ichneumon malacus* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon unifasciatorius* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon* (*Barichneumon*) *unifasciatorius* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
- Stenichneumon malacus* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Ichneumon unifasciatorius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Coelichneumon unifasciatorius* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, Canada, Me.]
- Coelichneumon malacus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 131. [key, des., Colo.]
- Ichneumon unifasciatorius* Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269. [fig., host b]
- Ichneumon malacus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon unifasciatorius* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles malacus* Swaine, Agr. Gaz. Canada, 1917, 4: 1047. [host h]
- Amblyteles* (*Stenichneumon*?) *malacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]
- Amblyteles* (*Cratichneumon*) *unifasciatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles malacus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles malacus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 165. [syn.]
- Amblyteles unifasciatorius* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167. [syn.]
- Amblyteles malacus* Champlain, Psyche, 1922, 29: 99. [host i, Pa.]
- Amblyteles unifasciatorius* Champlain, Psyche, 1922, 29: 99. [host l, Pa.]
- Amblyteles scriptifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles aterrimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles malacus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles unifasciatorius* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles malacus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

- Amblyteles unifasciatorius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles unifasciatorius* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles malacus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles scriptifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles unifasciatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [host *f*, N.Y.]
- Amblyteles unifasciatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles unifasciatorius* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *b g*, Me., N.H.]
- Amblyteles malacus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Amblyteles unifasciatorius* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Amblyteles unifasciatorius* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host *c*, Canada]

AEGERIIDAE: a, *Podosesia syringae*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Notolophus antiquus*. ARCTIIDAE: d, *Arctia* sp.; e, *Diacrisia virginica*; f, *Halisidota caryae*; g, *Halisidota tessellaris*; h, *Halisidota* sp.; i, arctiid. PHALAENIDAE: j, *Acronicta obliqua*. MISCELLANEOUS: k, "*Bombyx*" sp.; l, lepidopteran.

**Cratichneumon vescus** (Provancher) new combination

- Ichneumon vescus* Provancher, Nat. Canad., 1877, 9: 9. ♂. [o.d., Que. (M.P.Q.)]
- Ichneumon vescus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Canada, N.H., N.Y.]
- Ichneumon vescus* Provancher, Nat. Canad., 1878, 10: 271, 352; (Faune, p. 278). [key, des.]
- Barichneumon vescus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 79. [N.M.]
- Ichneumon vescus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Amblyteles vescus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles vescus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles vescus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Amblyteles vescus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vescus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

**Cratichneumon vinnulus** (Cresson) new combination

- Ischnus vinnulus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 189. ♂. [o.d., Pa. (A.N.S.P.)]
- Ichneumon vinnulus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Pa., W.Va.]
- Ichneumon vinnulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 168. ♂. [key, des.]

*Ichneumon vinnulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J.]

*Ichneumon vinnulus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]

*Amblyteles* (*Pterocormus*?) *vinnulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

*Amblyteles vinnulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

*Amblyteles vinnulus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon volens* (Cresson) new combination**

*Ischnus volens* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 192. ♂. [o.d., Va. (A.N.S.P.), Ill.]

*Ichneumon volens* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada, Eastern, Middle, and Western States]

*Ischnus volens* Provancher, Nat. Canad., 1875, 7: 110. [key, des., Que.]

*Ichneumon volens* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂. [key, des., Canada, Ga., Ill., N.Y., Va.]

*Ichneumon volens* Provancher, Nat. Canad., 1878, 10: 273, 364; (Faune, p. 289). [key, des.]

*Ichneumon volens* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Amblyteles* (*Pterocormus*?) *volens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles volens* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

*Amblyteles volens* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

*Amblyteles volens* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon w-album* (Cresson)**

*Ischnus w-album* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 191. ♂. [o.d., Pa. (A.N.S.P.), Del., N.J.]

*Ichneumon w-album* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. [des., Conn., Del., D.C., Md., Mass., N.J., N.Y., Pa.]

*Ischnus variegatus* Provancher, Nat. Canad., 1875, 7: 250. ♂. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

*Ichneumon w-album* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♂, ♀. [key, syn., des., Canada, Mass., N.H.]

*Ichneumon w-album* Provancher, Nat. Canad., 1878, 10: 268, 273, 362; (Faune, p. 288). [key, des.]

*Ichneumon w-album* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Ichneumon w-album* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon w-album* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y., Pa.]

*Ichneumon w-album* Howard, The Insect Book, 1902, plate 10, fig. 6.

*Ichneumon w-album* Nason, Ent. News, 1905, 16: 148. [Ill.]

- Ichneumon w-album*, Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]
- Cratichneumon w-album* Roman, Ent. Tidskr., 1910, 31: 153. [syn.]
- Coelichneumon w-album* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 133. [des., Canada]
- Amblyteles* (*Cratichneumon*?) *w-album* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
- Amblyteles w-album* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles w-album* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146 [Me.]
- Amblyteles w-album* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]
- Amblyteles w-album* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Cratichneumon yakutatensis* Ashmead**

- Cratichneumon yakutatensis* Ashmead, Proc. Wash. Acad. Sci. 1902, 4: 157. ♂. [key, o.d., Alaska (U.S.N.M.)]

**AOPLUS Tischbein**

- Aoplus* Tischbein, Stettin. Ent. Ztg., 1874, 35: 137.
- Genotype: *Aoplus inermis* Tischbein.
- Stenichneumon* Thomson, Opusc. Ent., 1893, 18: 1964.
- Genotype: *Ichneumon pistorius* Gravenhorst.
- Trachichneumon* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645.
- Genotype: *Ichneumon confirmatus* Cresson.

***Aoplus bioculatus* (Cresson) new combination**

- Ichneumon bioculatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂, ♀. [key, o.d., White Mts., N.H. (A.N.S.P.), Canada]
- Amblyteles bioculatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

***Aoplus cestus* (Cresson) new combination**

- Ichneumon cestus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]
- Ichneumon cestus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 353. [des.]
- Ichneumon longulus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Misdetermined.
- Ichneumon cestus* Fletcher, Ann. Rpt. Exp. Farms Canada for 1892, 1893, p. 60. [host a, B.C.]
- Ichneumon cestus* Harrington, Canad. Ent., 1897, 29: 20, 21. [B.C.]
- Amblyteles cestus* Chamberlin, Jour. Econ. Ent., 1931, 24: 1040. [host b, Ore.]
- Amblyteles cestus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]
- Amblyteles cestus* Hopping, Sci. Agr., 1934, 15: 22. [host a, B.C.]

GEOMETRIDAE: a, *Lambdina fiscellaria somniaria*; b, *Lambdina* sp.

**Aoplus cincticornis** (Cresson) new combination

*Ichneumon cincticornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 139. ♀.  
[o.d., Pa. (A.N.S.P.)]

*Ichneumon cincticornis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

*Ichneumon galenus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 292. ♂. [o.d., W.Va. (A.N.S.P.), Ill.]

*Ichneumon galenus* Provancher, Nat. Canad., 1875, 7: 25. [key, Que.]

*Ichneumon cincticornis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀.  
[key, des., Canada, Mass., Ill., N.C., Pa.]

*Ichneumon galenus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♂. [key, des., Canada, Ill., Mass., Pa., Va.]

*Ichneumon cincticornis* Provancher, Nat. Canad., 1878, 10: 267, 290; (Faune, p. 266). [key, des., Que.]

*Ichneumon galenus* Provancher, Nat. Canad., 1878, 10: 269, 290; (Faune, p. 266). [key, des., Que.]

*Ichneumon galenus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Ichneumon galenus* Smith, Rpt. N.J. Geologist, 1890, 2: 20. [N.J.]

*Ichneumon cincticornis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon cincticornis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon cincticornis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.  
[Kans.]

*Ichneumon cincticornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 565.  
[N.Y.]

*Ichneumon galenus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.  
[N.J.]

*Ichneumon cincticornis* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Ichneumon galenus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Ichneumon cincticornis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633.  
[N.J.]

*Ichneumon galenus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

*Stenichneumon cincticornis* Roman, Ent. Tidskr., 1910, 31: 192. [des.]

*Ichneumon cincticornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Ichneumon cincticornis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222.  
[Alta., Ont., Sask.]

*Ichneumon galenus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Amblyteles* (*Craticheumon*?) *galenus* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 356. [key, Conn.]

*Amblyteles* (*Stenichneumon*?) *cincticornis* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 355. [key]

*Amblyteles cincticornis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.  
[Minn.]

*Ichneumon galenus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Amblyteles cincticornis* Champlain, Psyche, 1922, 29: 99. [host b, Pa.]

- Amblyteles cincticornis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]  
*Amblyteles galenus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Amblyteles cincticornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
 [Me.]  
*Amblyteles galenus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
 [Me.]  
*Amblyteles cincticornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]  
*Amblyteles cincticornis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101.  
 [Alta.]  
*Amblyteles cincticornis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]  
*Amblyteles cincticornis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host a, Mass., N.J.]  
*Amblyteles cincticornis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
*Ichneumon cincticornis* Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAENIDAE: a, *Autographa brassicae*. MISCELLANEOUS: b, moth pupa on *Brassica oleracea*.

**Aoplus confirmatus** (Cresson)

- Ichneumon confirmatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀.  
 [key, o.d., N.Y. (A.N.S.P.), Canada, Mass.]  
*Phygadeuon jocosus* (as *Phygadeuon potens* in key) Provancher, Addit. Faune Canada, Hymén., 1886, p. 47, 53. ♀. [key, o.d., Ont. (C.N.C.)] New synonymy.  
*Ichneumon confirmatus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]  
*Ichneumon jocosus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]  
*Ichneumon poteus* (!) Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]  
*Phygadeuon jocosus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Exephanes confirmatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
 [N.Y.]  
*Trachichneumon confirmatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645.  
 [syn.]  
*Amblyteles* (*Trachichneumon*) *confirmatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]  
*Trachichneumon confirmatus* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]  
*Amblyteles confirmatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
 [Me.]  
*Amblyteles confirmatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]  
*Trachichneumon confirmatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]  
*Aoplus confirmatus* Heinrich, Konowia, 1930, 9: 124. [syn.]  
*Ichneumon confirmatus* Townes, Ent. News, 1938, 49: 219. [biol.]



**Aoplus leucopsis** (Ashmead) new combination

*Ichneumon leucopsis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 391. ♂. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

TORTRICIDAE: *a*, tortricid pupa on *Quercus* sp.

**Aoplus mathewi** (Cameron) new combination

*Ichneumon mathewi* Cameron, Entomologist, 1907, 40: 277. ♂. [o.d., Vancouver Is., B.C. (British Mus.)]

*Stenichneumon mathewi* Heinrich, Ann. Mag. Nat. Hist., 1937, (10), 20: 268. [syn.]

**Aoplus ochropis** (Gmelin)

*Ichneumon ochropis* Gmelin, in Linnaeus: System. Nat., Ed. 13, 1790, p. 2679. [o.d., Europe (location of type unknown).]

*Melanichneumon seldoviae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. ♂. [o.d., Seldovia, Alaska (U.S.N.M.)] New synonymy.

*Aoplus ochropis* Heinrich, Konowia, 1930, 9: 124. [syn., Jugoslavia.]

**Aoplus opacitas** (Davis) new combination

*Platylabus opacitas* Davis, Trans. Amer. Ent. Soc., 1898, 24: 353. ♂. [o.d., Moscow, Ida. (A.N.S.P.)]

*Platylabus opacitas* Bradley, Canad. Ent., 1903, p. 283. [key]

**Aoplus pallidipennis** (Viereck) new combination

*Cratichneumon pedalis* var. *pallidipennis* Viereck, Ent. News, 1902, 13: 87. ♂, ♀. [o.d., Colo. (A.N.S.P.), Nev.]

**Aoplus rubicundus** (Bradley) new combination

*Cratichneumon rubicundus* Bradley, Ztschr. Hymen. Dipt., 1904, 4: 106. ♀. [o.d., Corvallis, Ore. (Cornell Univ.)]

**Aoplus salvus** (Cresson) new combination

*Ichneumon salvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♂. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Ichneumon salvus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. [des.]

**Aoplus sitkensis** (Ashmead) new combination

*Ichneumon sitkensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 152. ♂. [key, o.d., Sitka, Alaska (U.S.N.M.)]

*Ichneumon simulator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. ♂. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)] New synonymy.

*Euichneumon sitkensis* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

*Euichneumon simulator* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

**Aoplus vagans** (Provancher) new combination

*Ichneumon vagans* Provancher, Nat. Canad., 1875, 7: 22, 51. ♂. [key, o.d., Que. (M.P.Q.)]

*Ichneumon vagans* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, des.]

*Ichneumon vagans* Provancher, Nat. Canad., 1878, 10: 269, 295; (Faune, p. 271). [key, des.]

**Aoplus velox** (Cresson) new combination

*Ichneumon velox* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 185. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon velox* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Conn., Ill., Pa.]

*Ichneumon puerilis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., Canada (A.N.S.P.)]

*Ichneumon mellicoxus* Provancher, Nat. Canad., 1875, 7: 21, 48. ♂. [key, o.d., Que. (M.P.Q.)]

*Ichneumon velox* Provancher, Nat. Canad., 1875, 7: 24, 81. [key, Que.]

*Phygadeuon apicatus* Provancher, Nat. Canad., 1875, 7: 180, 183. ♀. [key, o.d., Que. (type lost)]

*Phygadeuon cressoni* Provancher, Nat. Canad., 1876, 8: 318. ♀. [o.d., Que. (M.P.Q.)]

*Ichneumon puerilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. ♂. [key, syn., des., Canada, Mass.]

*Ichneumon velox* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, syn., des., Canada, Ill., N.J., Pa.]

*Ichneumon puerilis* Provancher, Nat. Canad., 1878, 10: 270, 298; (Faune, p. 274). [key, des.]

*Ichneumon velox* Provancher, Nat. Canad., 1878, 10: 268, 361; (Faune, p. 287). [key, des.]

*Ichneumon puerilis* Riley and Howard, Insect Life, 1890, 3: 151. [host *c*, D.C.]

*Ichneumon occidentalis* Harrington, Canad. Ent., 1894, 26: 210. ♀. [o.d., Victoria, B.C. (C.N.C.)]

*Amblyteles (Pterocormus?) velox* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles mellicoxus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles velox* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [fig., host *a*, Mich.]

*Amblyteles puerilis* Pettit, Ann. Rpt. State Bd. Agr. Mich., 1927, 65: 265. [host *a*, Mich.] Not fig. 4.

*Amblyteles mellicoxus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles mellicoxus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles velox* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

*Amblyteles velox* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 1. ♂, ♀. [syn., host *a*, Ont.]

*Amblyteles velox* Tessier, Nat. Canad., 1930, 57: 64. [host *a*, Que.]

*Amblyteles velox* Schedl, Ztschr. Angew. Ent., 1931, 8: 270-273. [des., fig., biol., host *a*]

*Amblyteles velox* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *a*, Ont.]

*Amblyteles velox* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]

*Ichneumon velox* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

*Amblyteles puerilis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 11. [host *b*, Canada]

*Amblyteles velox* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 12. [host *a*, Canada]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*; *b*, *Nepytia canosaria*. MISCELLANEOUS: *c*, ?phalaenid.

### PATROCLUS Cresson

*Patroclus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 104.

Genotype: *Patroclus nigrocaeruleus* Cresson.

#### **Patroclus montanus** (Cresson) new combination

*Ichneumon montanus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♂, ♀. [Colo. (A.N.S.P.)]

*Ichneumon montanus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. [des., Colo.]

*Ichneumon montanus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Colo., W.Va.]

*Amblyteles montanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♂, ♀. [key, des., Calif., Canada, Colo., Hudson Bay Territory, Mass., Va.]

*Amblyteles montanus* Provancher, Nat. Canad., 1882, 13: 327; (Faune, p. 766). [des., Que.]

*Pseudamblyteles montanus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 79. [N.M.]

*Amblyteles montanus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

*Amblyteles montanus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

*Amblyteles montanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles montanus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles montanus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Amblyteles montanus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

#### **Patroclus perluctuosus** (Provancher) new combination

*Amblyteles perluctuosus* Provancher, Nat. Canad., 1877, 9: 10. ♀ (not ♂). [o.d., Que. (M.P.Q.)]

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- Amblyteles perluctuosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♀. [key, des., B.C., Canada, N.H.]
- Amblyteles perluctuosus* Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 295). [key, des.]
- Limerodes perluctuosus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 205. [syn.]
- Amblyteles perluctuosus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- Amblyteles perluctuosus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles perluctuosus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

#### ANISOPYGUS Kriechbaumer \*

- Anisopygus* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1888, 3: 36.  
Genotype: *Amblyteles pseudonymus* Wesmael.

#### EXEPHANES Wesmael

- Exephanes* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 13, 17.  
Genotype: *Ichneumon hilaris* Gravenhorst.
- Ocatomus* Tischbein, Stett. Ent. Ztg., 1881, 42: 186.  
Genotype: (*Ocatomus tricolor* Tischbein) = *femoralis* Brischke.

#### **Exephanes subfulvus** (Cresson) new combination

- Ichneumon subfulvus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. ♀. [o.d., Colo. (A.N.S.P.)]
- Ichneumon subfulvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, des.]
- Amblyteles subfulvus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

#### **Exephanes terminalis** (Provancher) new combination

- Phygadeuon terminalis* Provancher, Nat. Canad., 1874, 6: 284. ♀. [key, o.d., Que. (M.P.Q.)]
- Ichneumon caudatus* Provancher, Nat. Canad., 1875, 7: 24, 82. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Phygadeuon terminalis* Provancher, Nat. Canad., 1875, 7: 183. [key]
- Ichneumon caudatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, syn., des., Canada, Mass.]
- Ichneumon caudatus* Provancher, Nat. Canad., 1878, 10: 268, 358; (Faune, p. 283). [key, des.]
- Phygadeuon Geddessii* Provancher, Addit. Faune Canada, Hymén., 1886, p. 54. ♀. [key, o.d., Ont. (M.P.Q.)] New synonymy.

\* Undescribed Nearctic species of this genus are in the Townes Collection.

- Amblyteles Cookii* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 392. ♀. [o.d., Lansing, Mich. (U.S.N.M.)] New synonymy.  
*Amblyteles caudatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

**ECTOPIMORPHA** Viereck

- Ectopimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 589.  
 Genotype: (*Amblyteles anceps* Cresson) = *wilsoni* Cresson.

**Ectopimorpha hiulcus** (Cresson) new combination

- Amblyteles hiulcus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 194. ♀. [key, o.d., Lake Lahache, B.C. (A.N.S.P.)]  
*Amblyteles hiulcus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 355. [des.]  
*Amblyteles hiulcus* Nason, Ent. News, 1905, 16: 149. [Ill.]

**Ectopimorpha indemnis** (Cresson) new combination

- Ichneumon indemnis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀ (not ♂). [key, o.d., B.C. (A.N.S.P.)]  
*Ichneumon indemnis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. ♀. [des.]

**Ectopimorpha luperinae** Cushman

- Ectopimorpha luperinae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.] Nomen nudum.  
*Ectopimorpha* sp. Decker, Res. Bull. Agr. Exp. Sta., Ia. State Col., 1930, 125: 159. [fig., biol., host *a*, Ia.]  
*Ectopimorpha luperinae* Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 1. ♂, ♀. [o.d., host *a*, Ames, Ia. (U.S.N.M.)]  
*Ectopimorpha luperinae* Decker, Ia. State Col. Jour. Sci., 1935, 9: 571. [biol., host *a*, Ia.]  
 PHALAEINIDAE: *a*, *Luperina stipata*.

**Ectopimorpha scibilis** (Cresson) new combination

- Ichneumon scibilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♂. [key, o.d., Ill. (A.N.S.P.)]  
*Ichneumon scibilis* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

**Ectopimorpha wilsoni** (Cresson) new combination

- Ischnus wilsoni* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 188. ♂. [o.d., W.Va. (not Va.) (A.N.S.P.)]  
*Ichneumon Wilsoni* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Del., N.J., W.Va.]  
*Ichneumon anceps* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 309. ♀ (and ♂?). [o.d., Del. (A.N.S.P.), Conn.] New synonymy.

- Ichneumon wilsoni* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des., Del., N.J., "Va."]  
*Amblyteles anceps* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. [key, des.]  
*Ichneumon wilsonii* (!) Riley and Howard, Insect Life, 1890, 3: 151. [host a]  
*Ichneumon wilsoni* Gillette, Insect Life, 1891, 3: 259. [host b, Ia.]  
*Ichneumon wilsoni* Slosson, Ent. News, 1895, 6: 317. [N.H.]  
*Ichneumon wilsoni* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. [key, Alaska]  
*Ichneumon wilsoni* Howard, The Insect Book, 1902, plate 10, fig. 1.  
*Ichneumon wilsoni* Nason, Ent. News, 1905, 16: 148. [Ill.]  
*Amblyteles anceps* Nason, Ent. News, 1905, 16: 149. [Ill.]  
*Ectopimorpha anceps* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 589. [syn.]  
*Ichneumon wilsoni* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]  
*Amblyteles (Pterocormus?) wilsoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]  
*Amblyteles (Ectopimorpha) anceps* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]  
*Amblyteles anceps* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 97. [N.Y.]  
*Ectopimorpha anceps* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]  
*Amblyteles wilsoni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 927. [N.Y.]  
 PHALAEINIDAE: a, *Acronicta* sp.; b, cutworm.

#### CHASMIAS Ashmead

- Chasmodes* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 13, 15.  
 Preoccupied by Cuvier and Valenciennes, 1836.  
 Genotype: (*Ichneumon notatorius* (!) Gravenhorst) = *notatorius* Fabricius.  
*Chasmias* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 17. [new name for *Chasmodes* Wesmael]  
***Chasmias saucius* (Cresson)**  
*Ichneumon saucius* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 137. ♀. [o.d., Pa. (A.N.S.P.)]  
*Ichneumon saucius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Ill., Pa.]  
*Ichneumon saucius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. [des.]  
*Ichneumon saucius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., N.C., Pa.]  
*Ichneumon saucius* Provancher, Nat. Canad., 1878, 10: 267, 289; (Faune, p. 265). [key, des., Que.]  
*Chasmodes sauceus* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.Y.]  
*Ichneumon saucius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 635. [N.J.]  
*Amblyteles (Chasmias) saucius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]

*Amblyteles saucius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Chasmias scelestus** (Cresson) new combination

*Ichneumon scelestus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 148. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon scelestus* Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

*Ichneumon scelestus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀. [key, des.]

*Amblyteles scelestus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles scelestus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [host b, N.Y.]

*Amblyteles scelestus* Balduf, Ohio Jour. Sci., 1929, 29: 226. [biol., host a, Ohio]

*Amblyteles scelestus* Silver, Tech. Bull. U. S. Dept. Agr., 1933, 345: 16. [host a, Ohio]

*Ichneumon scelestus* Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAENIDAE: a, *Achatodes zeae*; b, *Papaipema impecuniosa*.

**Chasmias torvinus** (Cresson) new combination

*Ichneumon torvinus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 292. ♂. [o.d., Ill. (A.N.S.P.)]

*Ichneumon torvinus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, des.]

*Ichneumon torvinus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Coelichneumon maurus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [syn.]

In part.

**PSEUDAMBLYTELES** Ashmead

*Pseudamblyteles* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 18.

Genotype: *Amblyteles palliatorius* Gravenhorst.

*Physcoteles* Berthoumieu, Genera Insectorum, 1904, 18: 51.

Genotype: *Amblyteles palliatorius* Gravenhorst.

**Pseudamblyteles allapsus** (Cresson) new combination

*Ichneumon allapsus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon allapsus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

**Pseudamblyteles animosus** var. **animosus** (Cresson) new combination

*Ichneumon animosus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 164. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon animosus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

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*Ichneumon animosus* Cresson, Trans. Amer. Ent. Soc., 1877, 4: 176. ♂. [key, des., Colo., N.M.]

*Amblyteles animosus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Ichneumon animosus* Peck, Canad. Jour. Res., 1937, D, 15: 246; 250. [fig. ♂ genitalia]

***Pseudamblyteles animosus* var. *rubellus* (Cresson) new combination**

*Ichneumon rubellus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 254. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon animosus* var. *rubellus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

*Ichneumon animosus* var. *rubellus* Cresson, Trans. Amer. Ent. Soc., 1877, 4: 176. ♂. [key, des.]

*Ichneumon animosus* var. *rubellus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

*Amblyteles animosus* var. *rubellus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles mimosus* (!) var. *inbellus* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [Colo., N.Y.]

***Pseudamblyteles apicalis* (Cresson) new combination**

*Ichneumon apicalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 152. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon apicalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

*Ichneumon apicalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key, des.]

***Pseudamblyteles belfragei* (Cresson) new combination**

*Ichneumon Belfragei* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Ichneumon Belfragei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, des.]

***Pseudamblyteles bizonatus* (Cresson) new combination**

*Ichneumon bizonatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 160. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon bizonatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [Colo.]

*Ichneumon bizonatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, des.]

***Pseudamblyteles citrinus* (Provancher) new combination**

*Ichneumon citrinus* Provancher, Addit. Faune Canada Hymén., 1886, p. 31. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

*Hepioplasmus citrinus* Davis, Canad. Ent., 1895, 27: 287. [syn.]

*Amblyteles citrinus* Dalla Torre, Cat. Hymen., 1902, 3: 806. [syn.]



**Pseudamblyteles cockerelli** (Viereck) new combination

*Cratichneumon cockerelli* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. ♂.  
[o.d., Beulah, N.M. (A.N.S.P.)]

*Cratichneumon skinneri* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. ♂.  
[o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Ichneumon* (*Cratichneumon*?) *skinneri* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Colo.]

**Pseudamblyteles comes** (Cresson) new combination

*Ichneumon comes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 158. ♂. [o.d., Ill. (A.N.S.P.), Del.]

*Ichneumon comes* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. [des., Canada, Del., Ill., Mass., W.Va.]

*Ichneumon comes* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, Que.]

*Ichneumon comes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. [key, des., Canada, Ill., Me., Mass., N.H., N.Y., Pa., Va.]

*Ichneumon comes* Provancher, Nat. Canad., 1878, 10: 271, 350; (Faune, p. 276). [key, des.]

*Ichneumon comes* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon comes* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

*Ichneumon comes* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon comes* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon comes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J.]

*Ichneumon comes* Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1901, 27: 59. [host b, Md.]

*Ichneumon comes* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Ichneumon comes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

*Ichneumon comes* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Ichneumon comes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Amblyteles* (*Cratichneumon*?) *comes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, fig., Conn.]

*Amblyteles comes* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

*Amblyteles comes* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host a, Que.]

*Amblyteles comes* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]

*Amblyteles comes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles comes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles comes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles comes* var. Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]

*Amblyteles comes* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

COLEOPHORIDAE: a, *Coleophora pruniella*. PHALAENIDAE: b, *Amathes c-nigrum*.

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**Pseudamblyteles comptus** (Say) new combination

*Ichneumon comptus* Say, Boston Jour. Nat. Hist., 1836, 1: 229; (Leconte, Ed. 2: 686). ♂, ♀. [o.d., United States (M.C.Z.)]

*Ichneumon atrifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 157. ♀. [o.d., Ill. (A.N.S.P.)] New synonymy.

*Ichneumon comptus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western states]

*Ichneumon atrifrons* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290, 298. [des., Eastern, Middle, and Western states]

*Ichneumon comptus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]

*Ichneumon comptus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♂. [key, des., Del., Md., Pa., Tex.]

*Ichneumon atrifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♀. [key, des., Ill., Pa.]

*Ichneumon comptus* Provancher, Nat. Canad., 1878, 10: 353; (Faune, p. 279). ♂. [des., Que.]

*Amblyteles marginatus* Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 767). ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Ichneumon comptus* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]

*Ichneumon atrifrons* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon comptus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon comptus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J., N.Y., Pa.]

*Amblyteles atrifrons* Roman, Ent. Tidskr., 1910, 31: 145. [syn.]

*Ichneumon comptus* Roman, Ent. Tidskr., 1910, 31: 170. [des., Wis.]

*Amblyteles (Pterocormus?) comptus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

*Amblyteles (Amblyteles) atrifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

*Amblyteles comptus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]

*Amblyteles atrifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles comptus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles comptus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

*Amblyteles atrifrons* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Amblyteles comptus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Pseudamblyteles dakota** (Cresson) new combination

*Ichneumon dakota* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂. [o.d., Dakota Territory (A.N.S.P.)]

*Ichneumon dakota* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des.]

**Pseudamblyteles delicatus** (Cresson) new combination

*Ichneumon delicatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 253. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon delicatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

**Pseudamblyteles dictiosus** (Cresson) new combination

*Ichneumon dictiosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, o.d., Kans. (A.N.S.P.)]

**Pseudamblyteles discus** (Cresson) new combination

*Ichneumon discus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 168. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon discus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. ♂. [Colo.]

*Ichneumon discus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

*Amblyteles (Cratichneumon) discus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

*Amblyteles discus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

**Pseudamblyteles flebilis** (Cresson) new combination

*Ichneumon flebilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, o.d., Canada (A.N.S.P.)]

**Pseudamblyteles fulvopictus** (Ashmead) new combination

*Ichneumon fulvopictus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 391. ♂. [o.d., Mo. (U.S.N.M.)]

**Pseudamblyteles grotei** (Cresson) new combination

*Ichneumon grotei* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 154. ♂. [o.d., Colo. (A.N.S.P.), Ill.]

*Ichneumon grotei* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 254. [Colo.]

*Ichneumon grotei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

*Ichneumon Grotei* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon Grotei* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon grotei* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

*Ichneumon grotei* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Amblyteles grotei* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles grotei* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Ichneumon grotei* Peck, Canad. Jour. Res., 1937, D, 15: 246, 251. [fig. ♂ genitalia]

*Amblyteles grotei* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Pseudamblyteles hudsonicus** (Cresson) new combination

*Amblyteles hudsonicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.  
[key, o.d., Hudson Bay Territory (A.N.S.P.)]

*Amblyteles hudsonicus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

*Amblyteles hudsonicus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 296. [Ariz.]

**Pseudamblyteles humphreyi** (Viereck) new combination

*Ichneumon* (*Barichneumon*) *humphreyi* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 296. ♂. [o.d., Humphrey's Peak, Ariz., at base, 9500 ft. (Univ. Kans.)]

**Pseudamblyteles koebelei** (Swezey) new combination

*Ichneumon koebelei* Swezey, Rpt. of Work Exp. Sta. Hawaiian Sugar Planters Ass., 1909, Ent. Bull., 7: 30. ♂, ♀. [o.d., fig., host *a b*, Hawaii, introduced from U. S. (U.S.N.M.)]

*Amblyteles koebelei* Swezey, Proc. Haw. Ent. Soc., 1923, 5: 303. [host *a*, Calif.]

PHALAENIDAE: *a*, *Cirphis unipuncta*; *b*, cutworm.

**Pseudamblyteles lewisii** (Cresson) new combination

*Ichneumon Lewisii* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 177. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon Lewisii* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 307. [des., Eastern, Middle, and Western states]

*Ichneumon Lewisii* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, des., Ga., Ill., N.Y., Va.]

*Ichneumon lewisii* Riley and Howard, Insect Life, 1890, 3: 151. [host *a*, Mo.]

*Ichneumon lewisii* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Amblyteles lewisi* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

*Ichneumon lewisii* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

*Ichneumon lewisii* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Ont.]

*Amblyteles* (*Pterocormus*?) *lewisi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key, Conn.]

*Amblyteles lewissii* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

*Amblyteles lewisi* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

ARCTIIDAE: *a*, *Arctia* sp.

**Pseudamblyteles macilentus** (Cresson) new combination

*Ichneumon macilentus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon macilentus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♂. [key, des.]

**Pseudamblyteles milvus** (Cresson) new combination

*Ichneumon* (*Ichneumon*) *milvus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. Nomen nudum

*Ichneumon milvus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 305. ♂. [o.d., Mass. (A.N.S.P.), Conn., R.I.]

*Ichneumon Clopini* Provancher, Nat. Canad., 1875, 7: 250. ♂. [o.d., Mt. Yamaska, Que. (M.P.Q.)]

*Ichneumon milvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, syn., des., Canada, Mass., N.H.]

*Ichneumon milvus* Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 281). [key, des.]

*Ichneumon milvus* Slosson, Ent. News, 1895, 6: 4. [N.H.]

*Ichneumon milvus* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [Ont.]

*Ichneumon milvus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

*Amblyteles* (*Pterocormus*?) *milvus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles milvus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles milvus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles milvus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles milvus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

**Pseudamblyteles mormonus** (Cresson) new combination

*Amblyteles mormonus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, o.d., Great Salt Lake, Ut. (A.N.S.P.)]

*Amblyteles mormonus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 355. [des.]

*Ichneumon adjunctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 29. ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Amblyteles similis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.] In part.

*Cratichneumon pedalis* var. *varitarsis* Viereck, Ent. News, 1902, 13: 87. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

**Pseudamblyteles munificus** (Cresson) new combination

*Ichneumon nobilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 155. ♂. [o.d., Ill. (A.N.S.P.)] Preoccupied by Wesmael, 1857.

*Ichneumon munificus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Eastern, Middle, and Western states. [new name for *Ichneumon nobilis* Cresson]

*Ichneumon nobilis* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, syn., Que.]

*Ichneumon munificus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [key, des., Ill., N.Y.]

*Ichneumon munificus* Provancher, Nat. Canad., 1882, 13: 309, 323; (Faune, p. 762). [key, des.]

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*Ichneumon munificus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Amblyteles (Pterocormus?) munificus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles munificus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles munificus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles munificus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Pseudamblyteles nuncius* (Cresson) new combination**

*Ichneumon nuncius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, o.d., Calif. (A.N.S.P.)]

*Ichneumon nuncius* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

*Ichneumon nuncius* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon nuncius* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

*Ichneumon nuncius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

*Amblyteles nuncius* Gibson, Canad. Ent., 1917, 49: 403. [host b, B.C.]

*Amblyteles nuncius* Snow, Jour. Econ. Ent., 1925, 18: 607. [biol., host a, Ut.]

*Amblyteles nuncius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles nuncius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles nuncius* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

PHALAENIDÆ: a, *Chorizagrotis auxiliaris*; b, *Euxoa excellens*.

***Pseudamblyteles ontariensis* (Provancher) new combination**

*Ichneumon Ontariensis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 30.

♂ (not ♀). [o.d., Toronto, Ont. (M.P.Q.)]

***Pseudamblyteles robustus* (Cresson) new combination**

*Ichneumon robustus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♀. [o.d., Canada (A.N.S.P.)]

*Ichneumon robustus* Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]

*Amblyteles robustus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀. [key, des.]

*Amblyteles robustus* Provancher, Nat. Canad., 1879, 11: 9; (Faune, p. 298). [key, des.]

*Amblyteles robustus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

***Pseudamblyteles saguenayensis* (Provancher) new combination**

*Ichneumon Saguenayensis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 356. ♂. [o.d., Chicoutimi, Que. (Séminaire de Chicoutimi)]

**Pseudamblyteles semissus** (Cresson) new combination

*Ichneumon semissus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 183. ♀. [key, o.d., Mohave Desert, Calif. (A.N.S.P.)]

*Ichneumon semissus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 354. [des.]

**Pseudamblyteles sequax** (Cresson) new combination

*Ichneumon sequax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Ichneumon sequax* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

**Pseudamblyteles subfuscus** (Cresson) new combination

*Ichneumon subfuscus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 173. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon subfuscus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

*Amblyteles subfuscus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key, des., Calif., Colo., Nev.]

*Amblyteles subfuscus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Amblyteles subfuscus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]

*Amblyteles subfuscus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

*Amblyteles subfuscus* Gibson, Canad. Ent., 1917, 49: 403. [host b, B.C.]

*Amblyteles subfuscus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1921, 51: 87. [Alta.]

*Amblyteles subfuscus* Strickland, Bull. Canad. Dept. Agr., 1923, (n.s.), 26: 12-15. [fig., biol., host a c, Alta.]

*Amblyteles subfuscus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles subfuscus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

PHALAEINIDAE: a, *Chorizagrotis auxiliaris*; b, *Euxoa excellens*; c, *Euxoa ochrogaster*.

**Pseudamblyteles succinctus** (Brullé) new combination

*Ichneumon succinctus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 301. ♂. [o.d., N. Amer. (Paris Mus.)]

*Ichneumon sandix* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 174. ♀. [o.d., N.Y. (A.N.S.P.)] New synonymy

*Ichneumon succinctus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Eastern, Middle, and Western states]

*Ichneumon succinctus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂. [key, des., Canada, Ill., La., Md., N.Y., Pa.]

*Ichneumon lewisii* var. *sandix* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. [syn.]

*Ichneumon succinctus* Smith, Rpt. N.J. Geologist, 1890, 2: 21. [N.J.]

*Ichneumon succinctus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Amblyteles succinctus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.J.]

*Ichneumon succinctus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Amblyteles* (*Cratichneumon*?) *succinctus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

*Amblyteles succinctus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles lewisii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.] Misdetermined.

*Amblyteles lewisii* var. *sandix* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles succinctus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

*Amblyteles succinctus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

*Amblyteles succinctus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Pseudamblyteles suturalis* (Say) new combination**

*Ichneumon* (*Ichneumon*) *suturalis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

*Ichneumon suturalis* Say, Boston Jour. Nat. Hist., 1836, 1: 226; (Leconte, Ed. 2: 685). ♀. [o.d., Ind., Mexico, Mo., Pa. (type destroyed)]

*Ichneumon suturalis* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 166. [des., fig., host *a*, Mass.]

*Ichneumon propinquus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 172. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon propinquus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

*Ichneumon suturalis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Canada, Eastern, Middle, and Western states]

*Ichneumon suturalis* var. *propinquus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

*Ichneumon suturalis* Provancher, Nat. Canad., 1875, 7: 24, 81. [key, des., Que.]

*Ichneumon suturalis* Cresson, Rpt. Wheeler Expl. (Eng. Dept., U. S. Army), 1875, Zool., 5: 708. [Colo., N.M.]

*Amblyteles suturalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key, syn., des., Canada, Colo., Dakota, Del., Ill., Mass., N.J., N.M., N.Y., Pa., Ut., Va.]

*Amblyteles suturalis* Provancher, Nat. Canad., 1879, 11: 13; (Faune, p. 301). [key, des.]

*Ichneumon suturalis* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1881, 11: 67. [host *a*]

*Ichneumon suturalis* Thomas, Rpt. on the Noxious and Beneficial Insects of Ill., 1881, 10: 41. [biol., host *a*, Ill.]

*Amblyteles suturalis* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Amblyteles suturalis* Smith, Rpt. N.J. Geologist, 1890, 2: 22. [N.J.]

*Amblyteles suturalis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Amblyteles suturalis* Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.

*Amblyteles suturalis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]



- Amblyteles suturalis* Harrington, Canad. Ent., 1897, 29: 43. [des., B.C.]  
*Amblyteles suturalis* Slosson, Ent. News, 1902, 13: 5. [N.H.]  
*Amblyteles suturalis* Nason, Ent. News, 1905, 16: 149. [Ill.]  
*Amblyteles suturalis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]  
*Amblyteles suturalis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Alta.]  
*Amblyteles suturalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360.  
[key, syn., (in part) Conn.]  
*Amblyteles suturalis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.  
[Minn.]  
*Amblyteles suturalis* Brues, Rpt. Canad. Arc. Exp., 1919, vol. 3, pt. G, p. 218.  
[N.W. Terr.]  
*Amblyteles suturalis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167.  
[syn.]  
*Amblyteles propinquus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23:  
167. [syn.]  
*Amblyteles suturalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.  
[Me.]  
*Amblyteles suturalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
926. [N.Y.]  
*Amblyteles suturalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Amblyteles suturalis* var. *propinquus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928,  
58: 102. [Alta.]  
*Amblyteles suturalis* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 40. [host b]  
*Amblyteles suturalis* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]  
*Amblyteles suturalis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Alta.]

PHALAENIDAE: a, *Cirphis unipuncta*; b, *Feltia ducens*.

***Pseudamblyteles taylorii* (Harrington) new combination**

*Ichneumon Taylorii* Harrington, Canad. Ent., 1894, 26: 209. ♂. [o.d., Victoria, B.C. (C.N.C.)]

***Pseudamblyteles variegatus* (Cresson) new combination**

*Ichneumon variegatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 153. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon variegatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 251. [des., Colo.]

*Ichneumon variegatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des., B.C., Calif., Colo., N.M.]

*Ichneumon varietus* (!) Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Ichneumon variegatus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

*Amblyteles variegatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Ichneumon variegatus* Peck, Canad. Jour. Res., 1937, D, 15: 246, 249, 251.  
[fig. ♂ genitalia]

***Pseudamblyteles ventralis* (Cresson) new combination**

*Ichneumon ventralis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. ♂. [o.d., Colo. (A.N.S.P.)]

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*Ichneumon ventralis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key, des.]

*Amblyteles ventralis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]

*Ichneumon ventralis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

#### AMBLYTELES Wesmael

*Amblyteles* Wesmael, Nouv. Mém. Acad. Sci. Bruxelles, 1844, 18: 111, 112.

Genotype: (*Amblyteles fasciatorius* Wesmael) = *armatorius* Fabricius.

#### *Amblyteles aleatorius* (Cresson)

*Ichneumon* (*Ichneumon*) *aleatorius* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

*Ichneumon comes* var. *aleatorius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. ♂. [o.d. (Canada) (A.N.S.P.)]

*Ichneumon comes* var. *aleatorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [des.]

*Amblyteles* (*Cratichneumon*?) *comes* var. *aleatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]

*Amblyteles comes* var. *aleatorius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

#### *Amblyteles balteatus* Hopper

*Amblyteles balteatus* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 97. ♂. [o.d., Medomak, Me. (A.N.S.P.)]

#### *Amblyteles belangeri* Cresson

*Amblyteles Belangeri* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, o.d., Canada (A.N.S.P.)]

*Amblyteles Belangeri* Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 297). [key, des.]

*Cryptus dubius* Provancher, Addit. Faune Canada Hymén., 1886, p. 71. ♀ (not ♂). [key, o.d., Ont. (C.N.C.)] New synonymy.

*Amblyteles belangeri* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

#### *Amblyteles bronteus* (Cresson)

*Ichneumon bronteus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 144. ♂. [o.d., Pa. (A.N.S.P.)]

*Ichneumon bronteus* Provancher, Nat. Canad., 1875, 7: 270. [Que.]

*Ichneumon bronteus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key, des., Canada, Ga., Pa., Va.]

*Ichneumon bronteus* Provancher, Nat. Canad., 1878, 10: 270, 297; (Faune, p. 273). [key, des.]

*Ichneumon bronteus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

*Ichneumon bronteus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Amblyteles (Pierocormus?) bronteus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles bronteus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles bronteus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

*Amblyteles bronteus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Amblyteles consignatus* (Cresson)**

*Ichneumon consignatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♂. [o.d., W.Va. (A.N.S.P.)]

*Ichneumon consignatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♂. [key, des., Mass., W.Va.]

*Ichneumon consignatus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Amblyteles consignatus* Baldus, Ohio Jour. Sci., 1929, 29: 226. [biol., host *a*, Ohio]

PHALAENIDAE: *a*, *Achatodes zeae*.

***Amblyteles crudosus* (Cresson)**

*Ichneumon crudosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂. [key, o.d., Calif. (A.N.S.P.)]

*Ichneumon crudosus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

***Amblyteles fraternus* Cresson**

*Amblyteles fraternus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♂. [key, o.d., Mass. (A.N.S.P.), Va.]

*Amblyteles fraternus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1913, 43: 134. [Que.]

*Amblyteles fraternus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

***Amblyteles improvisus* (Cresson)**

*Ichneumon improvisus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., N.J. (A.N.S.P.)]

*Ichneumon improvisus* Provancher, Nat. Canad., 1875, 7: 22, 52. [key, Que.]

*Amblyteles tetricus* Provancher, Nat. Canad., 1877, 9: 10. ♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Amblyteles tetricus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♀. [key, des.]

*Amblyteles improvisus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂. [key, des., Canada, N.J.]

*Amblyteles improvisus* Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 295). [key, des.]

*Amblyteles tetricus* Provancher, Nat. Canad., 1879, 11: 6; (Faune, p. 294). [key, des.]

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*Probolus tetricus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

*Amblyteles tetricus* Nason, Ent. News, 1905, 16: 149. [Ill.]

*Amblyteles tetricus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

*Amblyteles improvisus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles improvisus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles improvisus* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]

*Amblyteles tetricus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Amblyteles inconstans* (Cresson)**

*Ichneumon inconstans* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 153. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon inconstans* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 252. [Colo.]

*Ichneumon inconstans* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 165. ♂. [key, des.]

*Ichneumon inconstans* Provancher, Nat. Canad., 1882, 13: 309, 323; (Faune, p. 763). [key, des., Que.]

*Ichneumon inconstans* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Amblyteles inconstans* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles inconstans* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles inconstans* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles inconstans* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

***Amblyteles juxtus* (Cresson)**

*Ichneumon juxtus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 163. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon juxtus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

*Ichneumon nubivagus* var. *juxta* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

*Amblyteles nubivagus* var. *juxta* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. [des.]

***Amblyteles kodiakensis* (Ashmead) new combination**

*Cratichneumon kodiakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 157. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]

***Amblyteles nubivagus* (Cresson)**

*Ichneumon consimilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 163. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1844.

- Ichneumon consimilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. [Colo.]  
*Ichneumon nubivagus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Colo., Me., Pa., new name for *Ichneumon consimilis* Cresson]  
*Ichneumon aequalis* Provancher, Nat. Canad., 1875, 7: 23, 76. ♂. [key, o.d., Que. (M.P.Q.)]  
*Amblyteles nubivagus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♂. [key, syn., des., Canada, Colo., Me., Mass., Pa., Va.]  
*Amblyteles nubivagus* Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 301). [key, des.]  
*Amblyteles nubivagus* Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, D.C., Wis.]  
*Amblyteles nubivagus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Amblyteles nubivagus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]  
*Amblyteles nubivagus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]  
*Amblyteles nubivagus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]  
*Ichneumon (Probolus) nubivagus* Viereck, Proc. Ent. Soc. Wash., 1911, 13: 97. [syn.]  
*Amblyteles nubivagus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]  
*Amblyteles nubivagus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]  
*Amblyteles nubivagus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]  
 PHALAEINIDAE: *a*, *Cucullia intermedia*.

### **Amblyteles ormenus** (Cresson)

- Ichneumon Ormenus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♀. [o.d., Pa. (A.N.S.P.)]  
*Ichneumon tenebrosus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 145. ♂. [o.d., Colo. (A.N.S.P.)] Preoccupied by Wesmael, 1844. New synonymy.  
*Ichneumon luctus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo., new name for *Ichneumon tenebrosus* Cresson]  
*Ichneumon mellipes* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., Canada (A.N.S.P.), Me.]  
*Ichneumon Quebecensis* Provancher, Nat. Canad., 1875, 7: 24, 77. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.  
*Ichneumon tenebrosus* Provancher, Nat. Canad., 1875, 7: 21, 48. [key, Que.]  
*Ichneumon Ormenus* Provancher, Nat. Canad., 1875, 7: 26. ♂. [key, des., Que.]  
*Ichneumon Ormenus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]  
*Ichneumon Quebecensis* Provancher, Nat. Canad., 1875, 7: 239. [Que.]  
*Amblyteles Ormenus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀. [key, des., Canada, Colo., Mass., Pa.]  
*Amblyteles luctus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♂. [key, syn., des., Canada, Colo., N.H.]

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- Amblyteles quebecensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, des., Colo.]
- Amblyteles luctus* Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 297). [key, des., Que.]
- Amblyteles Ormenus* Provancher, Nat. Canad., 1879, 11: 8; (Faune, p. 296). [key, des.]
- Amblyteles Quebecensis* Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 299). [key, des.]
- Amblyteles ormenus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Amblyteles ormenus* Slosson, Ent. News 1900, 11: 319. [N.H.]
- Amblyteles luctus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [host a, N.J.]
- Pseudamblyteles neomexicanus* Ashmead, Psyche, 1901, 9: 147. ♂. [o.d., Las Vegas Range between Pecos and Sapello rivers at 11000 ft., N.M. (U.S.N.M.)] New synonymy.
- Amblyteles quebecensis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles quebecensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [B.C.]
- Amblyteles (Stenichneumon?) ormenus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles mellipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles quebecensis* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles luctus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles ormenus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles mellipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles ormenus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles luctus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles quebecensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]
- Amblyteles ormenus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles luctus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]
- Amblyteles quebecensis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- PHALAEINIDAE: a, phalaenid larva.

### ***Amblyteles perannulatus* Hopper**

- Amblyteles perannulatus* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 98. ♀. [o.d., Fairmount Park, Philadelphia, Pa. (A.N.S.P.)]

### ***Amblyteles provancheri* (Cushman)**

- Ichneumon bifasciatus* Provancher, Nat. Canad., 1875, 7: 23, 75. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Fourcroy, 1785 and by Say, 1829.

*Amblyteles bifasciatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 190. ♀.  
[key, des.]

*Amblyteles bifasciatus* Provancher, Nat. Canad., 1879, 11: 9; (Faune, p. 297).  
[key, des.]

*Amblyteles provancheri* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [new  
name for *Ichneumon bifasciatus* Provancher]

*Amblyteles provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
925. [N.Y.]

***Amblyteles rufizonatus* (Cresson)**

*Ichneumon rufizonatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 183. ♀.  
[o.d., N.J. (A.N.S.P.)]

*Ichneumon rufizonatus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Conn.,  
N.J.]

*Ichneumon Marianopolitanensis* Provancher, Nat. Canad., 1875, 7: 24, 81. ♀.  
[key, o.d., Que. (M.P.Q.)]

*Amblyteles rufizonatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀.  
[key, syn., des.]

*Amblyteles rufizonatus* Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 298).  
[key, des.]

*Ichneumon rufozonatus* (!) Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Probolus rufozonatus* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl:  
567. [N.Y.]

*Amblyteles rufizonatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Amblyteles* (*Probolus*?) *rufizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 360. [key]

*Amblyteles rufizonatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
925. [N.Y.]

*Amblyteles rufizonatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,  
no. 2: 98. [Mass.]

***Amblyteles subrufus* (Cresson)**

*Ichneumon subrufus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 168. ♀. [o.d.,  
Va. (A.N.S.P.)]

*Ichneumon subrufus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada,  
Eastern, Middle, and Western states]

*Ichneumon subrufus* Provancher, Nat. Canad., 1875, 7: 81. ♀. [key, des.,  
Que.]

*Amblyteles subrufus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 193. ♀. [key,  
des., Canada, Ill., Me., Mass., N.Y., Va.]

*Amblyteles subrufus* Provancher, Nat. Canad., 1879, 11: 12; (Faune, p. 301).  
[key, des.]

*Ichneumon segnax* (!) Taylor, Canad. Ent., 1884, 16: 91. [host *d*, B.C.] Mis-  
determined.

- Amblyteles subrufus* Riley and Howard, Insect Life, 1890, 3: 152. [host *c*, Calif., Mich.]
- Amblyteles subrufus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Amblyteles subrufus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Amblyteles subrufus* Harrington, Canad. Ent., 1897, 29: 43. [B.C.]
- Amblyteles subrufus* Gillette, Bull. Colo. Agr. Exp. Sta., 1904, 94: 8. [host *b*, Colo.]
- Amblyteles subrufus* Johnson, Bull. Colo. Agr. Exp. Sta., 1905, 98: 21. [host *b*, Colo.]
- Amblyteles subrufus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles subrufus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]
- Amblyteles subrufus* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host *a*, Que.]
- Amblyteles subrufus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles subrufus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles subrufus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

COLEOPHORIDAE: *a*, *Coleophora pruniella*. PHALAENIDAE: *b*, *Chorizagrotis auxiliaris*.  
 HESPERIIDAE: *c*, hesperiid. LYCAENIDAE: *d*, "*Lycaena*" sp.

#### ***Amblyteles superbus* Provancher**

- Amblyteles superbus* Provancher, Addit. Faune Canada Hymén., 1886, p. 35.  
 ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
- Amblyteles suturalis* Davis, Canad. Ent., 1895, 27: 287. [syn.] In part.
- Amblyteles superbus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 167.  
 [syn.]
- Amblyteles superbus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

#### ***Amblyteles torontosus* Davis**

- Amblyteles torontosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♀. [o.d., Toronto, Ont. (A.N.S.P.)]

#### **SPILICHNEUMON Thomson**

- Spilichneumon* Thomson, Opusc. Ent., 1894, 19: 2087.  
 Genotype: (*Amblyteles occisorius* Gravenhorst) = *occisor* Fabricius.
- Spiloteles* Berthoumieu, Genera Insectorum, 1904, 18: 54.  
 Genotype: *Amblyteles occisor* Fabricius.

#### ***Spilichneumon pomilus* (Provancher) new combination**

- Ichneumon pomilus* Provancher, Nat. Canad., 1877, 9: 9. ♂. [o.d., Que. (M.P.Q.)]
- Ichneumon pomilus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, des., B.C., Canada, Mass.]



*Ichneumon pomilus* Provancher, Nat. Canad., 1878, 10: 271, 352; (Faune, p. 278). [key, des.]

*Amblyteles borealis* Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 767).

♀. [o.d., Chicoutimi, Que. (M.P.Q.)] New synonymy.

*Amblyteles pomilus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

**Spilichneumon taos** (Cresson) new combination

*Amblyteles Taos* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♀. [key, o.d., N.M. (A.N.S.P.)]

### CTENICHNEUMON Thomson

*Ctenichneumon* Thomson, Opusc. Ent., 1894, 19: 2082.

Genotype: (*Amblyteles funereus* Gravenhorst) = *funereus* Fourcroy.

*Dochyteles* Berthoumieu, Genera Insectorum, 1904, 18: 50.

Genotype: *Ichneumon funereus* Fourcroy.

**Ctenichneumon electus** (Cresson) new combination

*Ichneumon electus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♂. [o.d., Conn. (A.N.S.P.)]

*Ichneumon nitidus* Provancher, Nat. Canad., 1875, 7: 24, 79. ♂. [key, o.d., Que. (M.P.Q.)]

*Amblyteles electus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, syn., des., Canada, Conn.]

*Amblyteles electus* Provancher, Nat. Canad., 1879, 11: 10; (Faune, p. 299). [key, des.]

*Amblyteles* (*Amblyteles*) *electus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

*Amblyteles electus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles electus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

**Ctenichneumon excultus** (Cresson) new combination

*Ichneumon excultus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♀. [o.d., N.J. (A.N.S.P.)]

*Ichneumon excultus* Provancher, Nat. Canad., 1875, 7: 26. [key, Que.]

*Amblyteles excultus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 188. ♀. [key, des., Canada, Mass. N.H., N.J.]

*Amblyteles excultus* Provancher, Nat. Canad., 1879, 11: 5; (Faune, p. 294). [key, des.]

*Amblyteles excultus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

**Ctenichneumon ruidosensis** (Cockerell) new combination

*Ichneumon ruidosensis* Cockerell, Ann. Mag. Nat. Hist., 1898, (7), 2: 456. (♂). [o.d., side of cañon north of Ruidoso, N.M., about 6800 ft. (U.S.N.M.)]

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**Ctenichneumon semicaeruleus** (Cresson) new combination

*Ichneumon semicaeruleus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♀.  
[o.d., W.Va. (A.N.S.P.)]

*Amblyteles semicaeruleus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀.  
[key, des., Canada, N.H., W.Va.]

*Amblyteles semicaeruleus* Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 300). [key, des.]

*Amblyteles semicaeruleus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15.  
[Ia.]

*Amblyteles semicaeruleus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
3, no. 2: 98. [Mass.]

*Amblyteles semicaeruleus* Denton, Bull. Brooklyn Ent. Soc., 1931, 26: 3. [biol.,  
N.C.]

*Amblyteles semicaeruleus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**Ctenichneumon stadaconensis** (Provancher) new combination

*Ichneumon Stadaconensis* Provancher, Nat. Canad., 1875, 7: 22, 50. ♂. [key,  
o.d., Que. (M.P.Q.)]

*Amblyteles stadaconensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂.  
[key, des., Canada, Mass., N.H.]

*Amblyteles Stadaconensis* Provancher, Nat. Canad., 1879, 11: 7; (Faune, p. 296).  
[key, des.]

*Amblyteles stadaconensis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Amblyteles stadaconensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223.  
[Ont.]

*Amblyteles (Amblyteles) stadaconensis* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 360. [key, Conn.]

*Amblyteles stadaconensis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385.  
[Kans.]

*Amblyteles stadaconensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146.  
[Me.]

*Amblyteles stadaconensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 925. [N.Y.]

*Amblyteles stadaconensis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
3, no. 2: 98. [Mass.]

*Amblyteles stadaconensis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**Ctenichneumon syphax** (Cresson) new combination

?*Ichneumon detritus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 302. ♀.  
[o.d., Carolina (Paris Mus.)]

*Ichneumon syphax* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 181. ♀. [o.d.,  
Del. (A.N.S.P.)]

*Ichneumon detritus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.,  
Eastern and Middle States]

- Amblyteles detritus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀. [key, syn., des., Canada, Del., Me., Mass., N.J., N.Y., Pa.]
- Amblyteles detritus* Provancher, Nat. Canad., 1879, 11: 11; (Faune, p. 299). [key, des.]
- Amblyteles* (*Amblyteles*) *detritus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles detritus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles detritus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles detritus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

**Ctenichneumon ultus** (Cresson) new combination

- Ichneumon ultus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., W.Va. (A.N.S.P.), Conn.]
- Ichneumon rogalis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 295. ♂. [o.d., W.Va. (A.N.S.P.), Conn., N.Y.] New synonymy.
- Ichneumon ultus* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Ichneumon rogalis* Provancher, Nat. Canad., 1875, 7: 22, 49. [key, Que.]
- Amblyteles ultus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. ♂. [key, des., Canada, Conn., N.Y., W.Va.]
- Amblyteles ultus* var. *rogalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 189. [syn.]
- Amblyteles ultus* Provancher, Nat. Canad., 1879, 11: 7; (Faune, p. 296). [key, syn., des.]
- Amblyteles* (*Amblyteles*) *ultus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles* (*Amblyteles*) *ultus* var. *rogalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles ultus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

**TRICHOLABUS** Thomson

- Tricholabus* Thomson, Opusc. Ent., 1894, 19: 2103, 2113.  
Genotype: *Tricholabus femoralis* Thomson.

**Tricholabus adventicius** (Hopper) new combination

- Ichneumon adventicius* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 101. ♂. [o.d., Swarthmore, Pa. (A.N.S.P.)]
- Amblyteles* near *albomarginatus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]
- Ichneumon adventicius* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Tricholabus citatus** (Provancher) new combination

- Ichneumon citatus* Provancher, Nat. Canad., 1875, 9: 8. ♂. [o.d., Que. (M.P.Q.)]
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- Ichneumon citatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, des. Canada, N.H.]
- Ichneumon merus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Va. (A.N.S.P.), Mass.] New synonymy.
- Ichneumon citatus* Provancher, Nat. Canad., 1878, 10: 269, 293; (Faune, p. 269). [key, des.]
- Ichneumon merus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon merus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Amblyteles* (*Pterocormus*?) *merus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
- Amblyteles citatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles merus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Ichneumon apicator* Hopper, Trans. Amer. Ent. Soc., 1938, 64: 100. ♂. [o.d., Medomak, Me. (A.N.S.P.)] New synonymy.

***Tricholabus nortonii* (Cresson) new combination**

- Ichneumon Nortonii* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♀. [o.d., Conn. (A.N.S.P.)]
- Amblyteles Nortoni* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 192. ♀. [key, des.]
- Amblyteles Nortoni* Provancher, Nat. Canad., 1882, 13: 328; (Faune, p. 768). [des., Que.]
- Amblyteles nortoni* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Amblyteles* (*Amblyteles*) *nortoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]
- Amblyteles nortoni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

***Tricholabus pax* (Dalla Torre) new combination**

- Ichneumon pacificus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♂. [o.d., Seattle, Wash. (A.N.S.P.)] Preoccupied by Cameron, 1886.
- Ichneumon pax* Dalla Torre, Cat. Hymen., 1902, 3: 964. [new name for *Ichneumon pacificus* Davis]

***Tricholabus tricolor* (Davis) new combination**

- Amblyteles tricolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 351. ♂, ♀. [o.d., S.D. (A.N.S.P.)]

**PTEROCORMUS Foerster**

*Ichneumon* of authors, not of the genotype.

*Brachypterus* Gravenhorst, Ichneum. Europeae, 1829, 1: 673. Preoccupied by Kugelann, 1794.

Genotype: (*Brachypterus means* Gravenhorst) = *latrator* Gravenhorst.

*Pterocormus* Foerster, Wiegmann's Arch. Naturg., 1850, 16: 71.

Genotype: (*Brachypterus means* Gravenhorst) = *latrator* Gravenhorst.

*Euichneumon* Berthoumieu, Genera Insectorum, 1904, 18: 33.

Genotype: *Ichneumon sarcitorius* Linnaeus, By present designation.

***Pterocormus adonis* (Viereck) new combination**

*Cratichneumon adonis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. (♂).

[o.d., Beulah, N.M. (A.N.S.P.)]

***Pterocormus alpestriformis* (Viereck)**

*Amblyteles (Pterocormus) alpestriformis* Viereck, N. Amer. Fauna 1923 no. 46:

234. ♀. [o.d., Telegraph Hill, St. Paul Is., Alaska (U.S.N.M.)]

***Pterocormus approximans* (Provancher) new combination**

*Ichneumon approximans* Provancher, Addit. Faune Canada, Hymén., 1886, p.

32. ♂. [o.d., Toronto, Ont. (M.P.Q.)]

***Pterocormus artemis* (Viereck) new combination**

*Cratichneumon artemis* Viereck, Ent. News, 1902, 13: 87. ♀. [o.d., Colo.

(A.N.S.P.)]

***Pterocormus atrox* (Cresson) new combination**

*Ichneumon atrox* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key, o.d., Canada (A.N.S.P.)]

*Ichneumon atrox* Harrington, Canad. Ent., 1897, 29: 20. [B.C.]

*Amblyteles atrox* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles atrox* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles atrox* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

***Pterocormus audax* (Cresson) new combination**

*Ichneumon audax* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 143. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon audax* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

*Ichneumon audax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂. [key, des.]

***Pterocormus aurivillii* (Roman) new combination**

*Ichneumon Lariae* Schiödte, in Rink: Naturhistoriske Bidrag til en Beskrivelse af Grønland, 1857, p. 59. [des., Greenland] Misdetermined.

*Ichneumon Lariae* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 31. ♀. [des., fig.] Misdetermined.

*Ichneumon Lariae* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 222. [des., Greenland] Misdetermined.

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- Ichneumon Lariae* Vanhöffen, Drygalski-Exped., 1897, 2: 156. Misdetermined.\*  
*Ichneumon Lariae* Nielsen, Meddel. om Grønland, 1907, 29: 384. [Greenland]  
 Misdetermined.  
*Cratichneumon Aurivillii* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 5. ♀.  
 [o.d., Godthaab, Greenland (?Stockholm Mus.)]  
*Ichneumon (Cratichneumon) Aurivillii* Hendriksen and Lundbeck, Meddel. om  
 Grønland, 1918, 22: 520. [syn., Greenland]  
*Cratichneumon aurivillii* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 282. [des.,  
 Greenland]  
*Ichneumon Aurivillii* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 6.  
 ♂. [des., Greenland]

***Pterocormus bimembris* (Provancher) new combination**

- Ichneumon bimembris* Provancher, Nat. Canad., 1877, 9: 8. ♀. [o.d., Que.  
 (M.P.Q.)]  
*Ichneumon bimembris* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♀. [key,  
 des.]  
*Ichneumon bimembris* Provancher, Nat. Canad., 1878, 10: 267, 293; (Faune, p.  
 269). [key, des.]  
*Ichneumon bimembris* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]  
*Ichneumon bimembris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
 565. [N.Y.]  
*Ichneumon bimembris* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Sask.]  
*Amblyteles bimembris* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]  
*Amblyteles bimembris* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
 [Me.]  
*Amblyteles bimembris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 922. [N.Y.]  
*Amblyteles bimembris* Brimley, Inserts of N.C., 1938, p. 404, [N.C.]

***Pterocormus bipunctatus* (Cresson) new combination**

- Ichneumon bipunctatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 253. ♂.  
 [o.d., Colo. (A.N.S.P.)]  
*Ichneumon festus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. ♂. [o.d.,  
 Colo. (A.N.S.P.)] New synonymy.  
*Ichneumon bipunctatus* var. *festus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291.  
 [syn.]  
*Ichneumon bipunctatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂.  
 [key, des.]  
*Ichneumon bipunctatus* var. *festus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161.  
 ♂. [key, des.]

\* This reference not seen.

**Pterocormus brevipennis** (Cresson)

*Ichneumon brevipennis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 174. ♀.  
[o.d., Colo. (A.N.S.P.)]

*Ichneumon brevipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

*Ichneumon brevipennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀.  
[key, syn., des., Canada, Colo., Pa.]

*Ichneumon brevipennis* Provancher, Addit. Faune Canad. Hymén., 1888, p. 428.  
[des., Que.]

*Ichneumon brevipennis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon brevipennis* Evans, Canad. Ent., 1896, 28: 9. [Ont.]

*Exephanes brevipennis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
[N.Y.]

*Ichneumon brevipennis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 155. [key,  
Alaska]

*Amblyteles* (*Pterocormus*?) *brevipennis* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 359. [key]

*Amblyteles brevipennis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]

*Amblyteles brevipennis* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *a*,  
Tex.]

*Amblyteles brevipennis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
922. [N.Y.]

*Amblyteles brevipennis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAEINIDAE: *a*, *Cirphis unipuncta*.

**Pterocormus burkei** (Viereck) new combination

*Ichneumon* (*Cratichneumon*) *burkei* Viereck, Proc. U. S. Nat. Mus., 1910, 38:  
383. ♂. [o.d., host *a*, Wis. (U.S.N.M.)]

LYMANTRIIDAE: *a*, "liparid" on *Pinus* sp.

**Pterocormus caliginosus** (Cresson)

*Ichneumon caliginosus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 144. ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Ichneumon caliginosus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 250. [Colo.]

*Ichneumon caliginosus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Colo.,  
Conn., W. Va.]

*Ichneumon caliginosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀.  
[key, des., Colo., Ill.]

*Ichneumon caliginosus* Provancher, Nat. Canad., 1882, 3: 304, 321; (Faune, p.  
760). [key, des., Que.]

*Ichneumon caliginosus* Howard, in Scudder: Butterflies of Eastern U. S. and  
Canada, 1889, 3: 1876. [key, des., host *a*]

*Ichneumon caliginosus* Slosson, Ent. News, 1896, 7: 264. [N.H.]

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- Ichneumon caliginosus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]
- Ichneumon caliginosus* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host *c*, B.C., Ont.]
- Ichneumon caliginosus* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]
- Amblyteles* (*Pterocormus*?) *caliginosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]
- Amblyteles caliginosus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Amblyteles caliginosus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles caliginosus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *b d*, Mass., N.J., N.Y., R.I.]
- NYMPHALIDAE: *a*, *Basilarchia archippus*; *b*, *Polygonia interrogationis*; *c*, *Polygonia satyrus*; *d*, *Vanessa atalanta*.

***Pterocormus calitergus* (Cresson) new combination**

- ?*Ichneumon calitergus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 586. [Mass.] Nomen nudum.
- Ichneumon calitergus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♀. [o.d., Me. (A.N.S.P.)]
- Ichneumon calitergus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 160. ♀. [key, des.]
- Ichneumon calitergus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Ont.]

***Pterocormus canadensis* (Cresson) new combination**

- Ichneumon canadensis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Canada (A.N.S.P.), N.Y.]
- Ichneumon canadensis* Provancher, Nat. Canad., 1875, 7: 24, 80. [key, des., Que.]
- Ichneumon canadensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des.]
- Ichneumon canadensis* Provancher, Nat. Canad., 1878, 10: 361; (Faune, p. 287). ♀. [des.]
- Ichneumon canadensis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon canadensis* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon canadensis* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 76, 86. [fig., host *a*, Ont.]
- Ichneumon laetus* Knight, Jour. Econ. Ent., 1915, 8: 515. [syn.] In part.
- Ichneumon canadensis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C., Newfoundland]



- Ichneumon canadensis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]
- Amblyteles canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles ctenuchae* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 3. ♀. [o.d., host *b*, Detroit, Me. (U.S.N.M.)] New synonymy.
- Ichneumon (Amblyteles) ctenuchae* Neave, Rev. Appl. Ent., 1934, (A), 21: 226. [syn.]
- Amblyteles ctenuchae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *b*]
- Ichneumon canadensis* Townes, Ent. News, 1938, 49: 219. [biol.]

PHALAEINIDAE: *a*, *Cirphis unipuncta*. CTENUCHIDAE: *b*, *Ctenucha virginica*.

**Pterocormus centrator** (Say) new combination

- Ichneumon centrator* Say, Amer. Ent., 1825, 2: 49; (Leconte Ed., 1: 49). ♀. [o.d., fig., Mo., Northwest Territory, Pa. (type destroyed)]
- Ichneumon centrator* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon flavicornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 140. ♂. [o.d., N.Y. (A.N.S.P.)]
- Ichneumon flavicornis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada, Eastern, Middle, and Western states]
- Ichneumon centrator* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290 [Eastern, Middle, and Western states]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1875, 7: 26. [key, Que.]
- Ichneumon fortis* Provancher, Nat. Canad., 1875, 7: 24, 79. ♀. [key, o.d., Que. (M.P.Q.)]
- Ichneumon centrator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♀. [key, syn., des., Canada, N.C., Pa.]
- Ichneumon flavicornis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, des., Canada, N.Y., Pa.]
- Ichneumon centrator* Provancher, Nat. Canad., 1878, 10: 267, 291; (Faune, p. 267). [key, des.]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1878, 10: 269, 291; (Faune, p. 267). [key, des., Que.]
- Ichneumon flavicornis* Provancher, Nat. Canad., 1886, 15: 244. [Que.]
- Ichneumon centrator* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]
- Ichneumon flavicornis* Smith, Rpt. N.J. Geologist, 1890, 2: 19. [N.J.]
- Ichneumon centrator* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon centrator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [host *a*, N.Y.]
- Ichneumon flavicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [syn.] In part.
- Ichneumon curtator* (!) Howard, The Insect Book, 1902, plate 9, fig. 14.

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- Ichneumon flavicornis* Nason, Ent. News, 1905, 16: 147. [Ill.]
- Ichneumon (Stenichneumon) centrator* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]
- Stenichneumon centrator* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Stenichneumon flavicornis* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]
- Ichneumon centrator* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon flavicornis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon flavicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon flavicornis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]
- Amblyteles (Stenichneumon?) flavicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles (Stenichneumon?) centrator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]
- Amblyteles centrator* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164. [syn.]
- Amblyteles centrator* Bradley, Bull. Lloyd Libr., 1926, 27: 167. [N.Y.]
- Amblyteles flavicornis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles centrator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles centrator* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Amblyteles flavicornis* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles centrator* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 139. [biol., host *a*, Me., Mass.]
- Amblyteles centrator* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Ichneumon centrator* Townes, Ent. News, 1938, 49: 219. [biol.]

ARCTIIDAE: *a*, *Isia isabella*.

***Pterocormus cervulus* (Provancher)**

- Ichneumon cervulus* Provancher, Nat. Canad., 1875, 7: 24, 83. ♂. [key, o.d., Que. (M.P.Q.)]
- Ichneumon cervulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1878, 10: 272, 356; (Faune, p. 282). [key, des.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1887, 16: 24, 34, 46. [Que.]
- Ichneumon cervulus* Provancher, Nat. Canad., 1889, 19: 248. [Que.]
- Ichneumon cervulus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. [key, Alaska]
- Ichneumon cervulus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]
- Ichneumon (Pterocormus) cervulus* Viereck, N. Amer. Fauna, 1923, no. 46: 235. [syn.]

*Amblyteles cervulus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
[Me.]

*Amblyteles cerulus* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
[Me.]

**Pterocormus cinctitarsis** (Provancher) new combination

*Ichneumon varipes* Provancher, Nat. Canad., 1875, 7: 22, 50. ♂. [key, o.d.,  
Que. (M.P.Q.)] Preoccupied by Gravenhorst, 1829.

*Ichneumon cinctitarsis* Provancher, Nat. Canad., 1877, 9: 7. [new name for  
*Ichneumon varipes* Provancher]

*Ichneumon cinctitarsis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 156. ♂.  
[key, des.]

*Ichneumon cinctitarsis* Provancher, Nat. Canad., 1878, 10: 270, 297; (Faune,  
p. 273). [key, des.]

*Ichneumon cinctitarsis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636, N.J.

*Ichneumon cinctitarsis* Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19:  
45. [biol., host a]

*Amblyteles* (*Stenichneumon*?) *cinctitarsis* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 355. [key]

*Amblyteles cinctitarsis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
[Me.]

*Amblyteles cinctitarsis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
922. [N.Y.]

*Amblyteles cinctitarsis* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

*Amblyteles cinctitarsis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

ARCTIIDAE: a, *Hyphantria cunea*.

**Pterocormus citrifrons** (Cresson)

*Ichneumon citrifrons* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♂. [o.d.,  
Pa. (A.N.S.P.), Conn.]

*Ichneumon citrifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key,  
des.]

*Ichneumon citrifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.  
[N.J.]

*Amblyteles* (*Pterocormus*?) *citrifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 358. [key]

**Pterocormus clarimontis** (Cameron) new combination

*Ichneumon clarimontis* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 241. ♂.  
[o.d., Claremont, Calif. (British Mus.)]

*Ichneumon*? *clarimontis* Heinrich, Ann. Mag. Nat. Hist., 1927, (10), 20: 266.  
[syn.]

**Pterocormus commodus** (Davis) new combination

*Eurylabus commodus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 354. ♂. [o.d.,  
Wash. (A.N.S.P.)]

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**Pterocormus compar** (Cresson) new combination

*Ichneumon compar* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Ichneumon compar* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

*Cratichneumon compar* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 78. [N.M.]

**Pterocormus contractus** (Ashmead) new combination

*Amblyteles contractus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 393. ♀. [o.d., Alaska (U.S.N.M.)]

**Pterocormus creperus** (Cresson) new combination

*Ichneumon creperus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♂. [o.d. Canada (A.N.S.P.), Ill., W.Va.]

*Ichneumon creperus* Provancher, Nat. Canad., 1875, 7: 23, 53. [key, Que.]

*Ichneumon creperus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

*Ichneumon creperus* Provancher, Nat. Canad., 1878, 10: 271, 354; (Faune, p. 280). [key, des.]

*Ichneumon creperus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]

*Ichneumon creperus* Harrington, Canad. Ent., 1897, 29: 20. [B.C.]

*Ichneumon creperus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Amblyteles* (*Pterocormus*) *footei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 353, 357. ♂. [o.d., in key, Stafford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Amblyteles creperus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles creperus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles creperus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles creperus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97. [Mass.]

*Amblyteles creperus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

**Pterocormus cupitus** (Cresson) new combination

*Ichneumon cupitus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♂. [key, o.d., Calif. (A.N.S.P.)]

*Ichneumon cupitus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 350. [des.]

*Ichneumon cupitus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon cupitus* (!) Chittenden, Bull. U. S. Dept. Agr., Div. Ent., 1901, 29: 62. [host a, Ore.]

*Amblyteles cupitus* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 40. [syn.]

PHALAEINIDAE: a, *Peridroma margaritosa*.

**Pterocormus curticus** (Provancher) new combination

*Phygadeuon curticus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 360.

♀. [o.d., Chicoutimi, Que. (M.P.Q.)]

*Amblyteles curticus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]

**Pterocormus devinctor** (Say)

*Ichneumon devinctor* Say, Amer. Ent., 1825, 2: 48; (Leconte Ed., 1: 48). ♀.  
[o.d., fig., Northwest Territory (type destroyed)]

*Ichneumon devinctor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.  
[Mass.]

*Ichneumon devinctor* Say, Boston Jour. Nat. Hist., 1836, 1: 230; (Leconte Ed., 2: 687). [des., Ind.]

*Ichneumon tibialis* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 300. ♀. [o.d., Philadelphia, Pa. (Paris Mus.)]

*Ichneumon montivagus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon devinctor* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Eastern, Middle, and Western States]

*Ichneumon divinator* (!) Provancher, Nat. Canad., 1875, 7: 23, 75. [key, Que.]

*Ichneumon devinctor* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂, ♀.  
[key, syn., des., Canada, Colo., Del., Ga., Ill., Md., Pa.]

*Ichneumon devinctor* Provancher, Nat. Canad., 1878, 10: 268, 272, 360; (Faune, p. 286). [key, des.]

*Ichneumon devinctor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.  
[N.Y.]

*Ichneumon divinator* (!) Howard, The Insect Book, 1902, plate 10, fig. 12.

*Ichneumon devinctor* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

*Ichneumon devinctor* Winn, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 71. [host *a*, Que.]

*Protichneumon devinctor* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 102. [key, des., Hudson's Bay]

*Ichneumon devinctor* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

*Amblyteles* (*Pterocormus*?) *devinctor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles devinctor* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 164.  
[syn.]

*Amblyteles devinctor* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles devinctor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144.  
[Me.]

*Amblyteles devinctor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Ichneumon devinctor* Townes, Ent. News, 1938, 49: 219. [biol.]

HEPIALIDAE: *a*, *Sthenopsis thule*.

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**Pterocormus difficilis** (Cresson) new combination

*Ichneumon difficilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, o.d., Calif. (A.N.S.P.), B.C.]

*Ichneumon difficilis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 351. [des.]

*Amblyteles difficilis* Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host a]

PHALAENIDAE: a, *Prodenia praefica*.

**Pterocormus discoensis** (Fox) new combination

*Ichneumon discoensis* Fox, Proc. Acad. Nat. Sci. Phila., 1892, p. 134. (♂). [o.d., Disco Is., Greenland (A.N.S.P.)]

**Pterocormus dorsalis** (Cresson) new combination

*Ichneumon dorsalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 177. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon dorsalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. [Colo.]

*Ichneumon dorsalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, des.]

**Pterocormus egregiafacialis** (Viereck) new combination

*Ichneumon (Barichneumon) egregiafacialis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 291. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]

**Pterocormus faciens** (Davis) new combination

*Ichneumon faciens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♂. [o.d., Colfax, Ida. (A.N.S.P.)]

**Pterocormus feralis** (Cresson) new combination

*Ichneumon feralis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 301. ♀. [o.d., Mass. (A.N.S.P.), Canada]

*Ichneumon feralis* Provancher, Nat. Canad., 1875, 7: 23, 75. [key, Que.]

*Ichneumon feralis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, des., Canada, Mass., N.H.]

*Ichneumon feralis* Provancher, Nat. Canad., 1878, 10: 268, 349; (Faune, p. 275). [key, des.]

*Ichneumon feralis* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Ichneumon feralis* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Ichneumon feralis* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.]

*Ichneumon feralis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta., Newfoundland]

*Ichneumon feralis* Walker, Canad. Ent., 1916, 48: 259. [Newfoundland]

*Amblyteles feralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles feralis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles feralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles feralis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Ichneumon feralis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 408. [biol., Me.]

***Pterocormus flavofacialis* (Viereck) new combination**

*Ichneumon (Probolus) flavofacialis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 291. ♂. [o.d., Manitou Park, Colo. (Univ. Kans.)]

***Pterocormus funestus* (Cresson)**

*Ichneumon funestus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 166. ♀. [o.d., Pa. (A.N.S.P.)]

*Ichneumon funestus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada, Eastern, Middle, and Western States]

*Ichneumon haesstans* Provancher, Nat. Canad., 1875, 7: 24. [o.d. in key, Que. (type lost)]

*Ichneumon hoestans* (!) Provancher, Nat. Canad., 1875, 7: 80. ♀. [des., Que.]

*Ichneumon funestus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀. [key, syn., des., Canada, Ill., Mass., N.H., Pa., Va.]

*Ichneumon funestus* Provancher, Nat. Canad., 1878, 10: 268, 362; (Faune, p. 287). [key, des.]

*Ichneumon funestus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon funestus* Slosson, Ent. News, 1895, 6: 4. [N.H.]

*Ichneumon funestus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]

*Ichneumon funestus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Ichneumon funestus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]

*Ichneumon funestus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

*Ichneumon laetus* Knight, Jour. Econ. Ent., 1915, 8: 514-515. [syn. (in part), fig., biol., host b, N.Y.] Misdetermined.

*Ichneumon funestus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Pterocormus funestus* (as *Ichneumon funestus* p. 173) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173, 174. ♀. [fig., Minn.]

*Amblyteles funestus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles funestus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles funestus* Petch and Armstrong, Ann. Rpt. Que. Soc. Protect. Plants, 1926, 18: 95. [host a, Que.]

*Amblyteles funestus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles funestus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Amblyteles funestus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles funestus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

*Ichneumon funestus* Townes, Ent. News, 1938, 49: 219. [biol.]

*Amblyteles funestus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

COLEOPHORIDAE: a, *Coleophora pruniella*. PHALAEINIDAE: b, *Cirphis unipuncta*.

**Pterocormus fuscifrons** (Cresson) new combination

*Ichneumon fuscifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 166. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon fuscifrons* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. [des., Ill.]

*Ichneumon fuscifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♀. [key, des., Ill., N.Y.]

*Ichneumon fuscifrons* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Amblyteles fuscifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles fuscifrons* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles fuscifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

*Ichneumon fuscifrons* Townes, Ent. News, 1938, 49: 219. [biol.]

**Pterocormus glacialis** (Ashmead) new combination

*Ichneumon glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 154. ♂. [key, o.d., Juneau, Alaska (U.S.N.M.)]

*Euichneumon glacialis* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

**Pterocormus groenlandicus** (Lundbeck) new combination

*Ichneumon groenlandicus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 223. ♀. [o.d., Tasersuak-Søen paa Nugsuakhalvøen and Hekla Havn, Greenland (Copenhagen Mus.)]

*Ichneumon groenlandicus* Nielsen, Meddel. om Grønland, 1907, 19: 384. [Greenland]

*Ichneumon groenlandicus* Nielsen, Meddel. om Grønland, 1910, 43: 56. [Greenland]

*Ichneumon groenlandicus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 2. [syn.]

*Ichneumon groenlandicus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 522. [syn., Greenland]

**Pterocormus hemimelanarius** (Viereck) new combination

*Ichneumon hemimelanarius* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 226. ♂. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

**Pterocormus heterocampae** (Cushman) new combination

*Amblyteles heterocampae* Cushman, Proc. U. S. Nat. Mus., 1933, 82: 2. ♀. [o.d., host a, North Heath, Mass. (U.S.N.M.), N.J., Ohio]

*Ichneumon (Amblyteles) heterocampae* Neave, Rev. Appl. Ent., 1934, (A), 21: 226. [syn.]

*Ichneumon heterocampae* Townes, Ent. News, 1938, 49: 219. [biol.]

NOTODONTIDAE: a, *Heterocampa guttivitta*.



**Pterocormus hiemalis** (Cresson) new combination

*Ichneumon hiemalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 180. ♀. [key, o.d., Aleutian Is., Alaska (A.N.S.P.)]

*Ichneumon hiemalis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 352. [des.]

**Pterocormus hospitus** (Cresson)

*Ichneumon hospitus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 306. ♂, ♀. [o.d., Canada (A.N.S.P.)]

*Ichneumon hospitus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂, ♀. [key, des., Canada, Ill.]

*Ichneumon hospitus* Harrington, Canad. Ent., 1895, 27: 156. [Ont.]

*Amblyteles* (*Pterocormus*?) *hospitus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]

*Amblyteles hospitus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

**Pterocormus infidelis** (Cresson)

*Ichneumon infidelis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 296. ♂. [o.d., Conn. (A.N.S.P.)]

*Ichneumon infidelis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♂. [key, des., Conn., Mass.]

*Amblyteles* (*Pterocormus*?) *infidelis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles infidelis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

**Pterocormus infucatus** (Cresson) new combination

*Ichneumon infucatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 252. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon infucatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♂. [key, des., B.C., Calif., Colo.]

*Ichneumon infucatus* Harrington, Canad. Ent., 1887, 29: 21. [B.C.]

**Pterocormus instabilis** (Cresson)

*Ichneumon instabilis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 303. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Conn., Me., N.J., W.Va.]

*Ichneumon instabilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 177. ♂, ♀. [key, des., Canada, Colo., Conn., Ga., Me., Mass., N.J., N.Y., Va.]

*Ichneumon instabilis* Provancher, Nat. Canad., 1878, 10: 268, 272, 358; (Faune, p. 284). [key, des.]

*Ichneumon instabilis* Howard, Proc. Ent. Soc. Wash., 1888, 1: 95. [biol., host a, N.H.]

*Ichneumon instabilis* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1876. [key, syn. (in part), des.] Misdetermined, in part.

- Ichneumon instabilis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]  
*Ichneumon instabilis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]  
*Amblyteles (Pterocormus) winkleyi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 347, 348, 358. ♀. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.  
*Amblyteles (Pterocormus?) instabilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]  
*Amblyteles instabilis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]  
*Amblyteles instabilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]  
*Amblyteles winkleyi* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]  
*Amblyteles instabilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]  
*Amblyteles instabilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]  
*Amblyteles instabilis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
 NYMPHALIDAE: a, *Oeneis melissa*.

***Pterocormus inurbanus* (Cresson) new combination**

- Ichneumon inurbanus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♀. [o.d., W.Va. (A.N.S.P.)]  
*Ichneumon inurbanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, des. Colo., W.Va.]  
*Ichneumon inurbans* (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]  
*Ichneumon inurbanus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Amblyteles inurbanus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Pterocormus jucundus* (Brullé)**

- ?*Ichneumon multor* Harris, Rpt. Geol. Minn. Bot. Zool. Mass., 1833, p. 587. [Mass.] Nomen nudum.  
*Ichneumon jucundus* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 305. ♀. [o.d., N. Amer. (Paris Mus.)]  
*Ichneumon flavizonatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. ♂. [o.d., Va. (A.N.S.P.), N.Y.]  
*Ichneumon jucundus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Canada, Eastern, Middle, and Western States]  
*Ichneumon multor* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♂. [o.d., Canada (A.N.S.P.), Mass.]  
*Ichneumon jucundus* Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]  
*Ichneumon flavizonatus* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, des., Que.]  
*Ichneumon flavizonatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 164. ♂. [key, syn., des., Canada, Del., N.Y., Va.]

- Ichneumon jucundus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♀. [key, des., Canada, Me., N.Y., Pa.]
- Ichneumon jucundus* Provancher, Nat. Canad., 1878, 10: 268, 354; (Faune, p. 280). [key, des.]
- Ichneumon flavizonatus* Provancher, Nat. Canad., 1878, 10: 271, 353; (Faune, p. 279). [key, des.]
- Ichneumon flavizonatus* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1883, 3: 128. [des., host *a*, N.Y.]
- Ichneumon jucundus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]
- Ichneumon jucundus* Riley and Howard, Insect Life, 1890, 3: 151. [host *b*, D.C., Ind., Mont., Va.]
- Ichneumon jucundus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon flavizonatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ichneumon jucundus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ichneumon jucundus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon jucundus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.Y.]
- Ichneumon flavizonatus* Howard, The Insect Book, 1902, plate 10, fig. 11.
- Ichneumon flavizonatus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon jucundus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon jucundus* Slosson, Ent. News, 1906, 17: 324. [N.H.]
- Ichneumon jucundus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon jucundus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon jucundus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 86. [host *a*, Ont.]
- Amblyteles flavizonatus* Britton, Rpt. Conn. Agr. Exp. Sta., 1915, 14: 168. [syn.]
- Ichneumon flavizonatus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon jucundus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles* (*Pterocormus*?) *jucundus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key, Conn.]
- Amblyteles* (*Cratichneumon*?) *flavizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]
- Amblyteles jucundus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Amblyteles jucundus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. ♂, ♀. [syn., des., host *e*, Ill., Pa.]
- Amblyteles jucundus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles jucundus* Dietz, Bull. Amer. Iris Soc., 1928, 26: 24. [des., host *d*, Ind.]

- Amblyteles jucundus* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]  
*Amblyteles jucundus* Ries, Bull. Amer. Iris Soc., 1929, 32: 38. [host *d*, Md.]  
*Amblyteles jucundus* Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1930, 125: 160. [host *c*, Ia.]  
*Amblyteles jucundus* Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1931, 143: 345. [biol., host *f*, Ia.]  
*Amblyteles jucundus* Decker, Ia. State Col. Jour. Sci., 1935, 9: 573. [biol., host *c d f*, Ia.]  
*Amblyteles jucundus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAEINIDAE: a, *Cirphis unipuncta*; b, *Crymodes devastator*; c, *Luperina stipata*; d, *Macronoctua onusta*; e, *Papaipema circumlucens*; f, *Papaipema nebris*.

**Pterocormus klagesi** (Viereck) new combination

- Ichneumon flavofacialis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 245. ♂. [o.d., Allegheny Co., Pa. (Univ. Kans.)] Preoccupied by Viereck, 1905.  
*Ichneumon klagesi* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 591. [new name for *Ichneumon flavofacialis* Viereck, 1906]

**Pterocormus kodiakensis** (Ashmead) new combination

- Ichneumon kodiakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 153. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]  
*Euichneumon kodiakensis* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

**Pterocormus lachrymans** (Provancher) new combination

- Ichneumon lachrymans* Provancher, Nat. Canad., 1875, 7: 24, 78. ♂. [key, o.d., Que. (M.P.Q.)]  
*Ichneumon lachrymans* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 171. ♂. [key, des., Canada, Mass.]  
*Ichneumon lachrymans* Provancher, Nat. Canad., 1878, 10: 272, 357; (Faune, p. 282). [key, des.]  
*Ichneumon lachrymans* Provancher, Nat. Canad., 1887, 16: 24. [Que.]  
*Amblyteles lachrymans* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]  
*Amblyteles lachrymans* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Amblyteles lachrymans* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]  
*Amblyteles lachrymans* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

**Pterocormus laetus** (Brullé)

- Ichneumon parata* Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte Ed., 2: 686). ♂. [des., Ind., Mo., Northwest Territory, Pa.] Misdetermined.  
*Ichneumon laetus* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 303. ♂. [o.d., N. Amer. (Paris Mus.)]

- Ichneumon leucaniae* Fitch, Boston Cultivator, Aug. 3, 1861, 23: 276. ♀.  
[o.d., host *e*, N.Y. (U.S.N.M.)] This reference not seen. New synonymy.
- Ichneumon Leucaniae* Fitch, Rpt. Injurious and other Insects N.Y., 1861, 6: 126. ♀. [des., host *e*, N.Y.]
- Ichneumon laetus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 156. [syn.]
- Ichneumon seminiger* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 167. ♀. [o.d., Va. (A.N.S.P.), Mass., N.J., Pa.]
- Ichneumon laetus* Brackett, Practical Ent., 1865, 1: 19. [biol., host *b*, Me.]
- Ichneumon seminiger* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Canada; Eastern, Middle, and Western States]
- Ichneumon laetus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291, 300. [des., Canada, Eastern, Middle, and Western States]
- Ichneumon laetus* Provancher, Nat. Canad., 1875, 7: 23, 74. [key, Que.]
- Ichneumon laetus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. [key, des., Canada, Del., Md., Mass., N.H., N.J., N.Y., Pa., Va.]
- Ichneumon seminiger* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 181. ♀. [key, des., Canada, Ill., Mass., N.J., N.Y., Pa., Va.]
- Ichneumon laetus* Provancher, Nat. Canad., 1878, 10: 271, 351; (Faune, p. 277). [key, des.]
- Ichneumon seminiger* Provancher, Nat. Canad., 1878, 10: 269, 364; (Faune, p. 289). [key, des., Que.]
- Ichneumon seminiger* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Ichneumon laetus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon seminiger* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc., 1894, 25: 54. [Que.]
- Ichneumon laetus* Slosson, Ent. News, 1895, 6: 4. [N.H.]
- Ichneumon seminiger* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Ichneumon laetus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ichneumon laetus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J., N.Y.]
- Ichneumon seminiger* Slosson, Ent. News, 1900, 11: 319. [N.H.]
- Ichneumon seminiger* Howard, The Insect Book, 1902, plate 9, fig. 15.
- Cratichneumon laetus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 73. [host *k*, Que.]
- Ichneumon laetus* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon seminiger* Nason, Ent. News, 1905, 16: 148. [Ill.]
- Ichneumon laetus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon seminiger* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon laetus* Washburn, Jour. Econ. Ent., 1910, 3: 168. [host *h* ?*j*, Minn.]
- Ichneumon laetus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Ichneumon seminiger* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]
- Ichneumon laetus* Knight, Jour. Econ. Ent., 1915, 8: 515. [syn.] In part.
- Ichneumon laetus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 55, 56. [biol., Que.]

- Ichneumon seminiger* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Ichneumon seminiger* Yingling, Monthly Bull. Ohio Agr. Exp. Sta., 1916, 1: 269.  
 [fig., host c]  
*Amblyteles (Pterocormus) laetus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 359. [key, host i, Conn.]  
*Amblyteles (Pterocormus?) seminiger* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 359. [key, Conn.]  
*Amblyteles suturalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360.  
 [key, Conn.] Misetermined.  
*Amblyteles laetus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.  
 [Minn.]  
*Amblyteles seminiger* Franklin and Lacroix, Jour. Econ. Ent., 1924, 17: 408.  
 [host d, Mass.]  
*Amblyteles leucaniae* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]  
*Amblyteles laetus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Amblyteles seminiger* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145.  
 [Me.]  
*Amblyteles laetus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]  
*Amblyteles laetus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923.  
 [syn., N.Y.]  
*Amblyteles leucaniae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 924. [N.Y.]  
*Amblyteles laetus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2;  
 98. [Mass.]  
*Amblyteles leucaniae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3,  
 no. 2: 98. [Mass.]  
*Amblyteles laetus* Breakey, Ann. Ent. Soc. Amer., 1931, 24: 43. [biol., host a f]  
*Amblyteles leucaniae* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]  
*Amblyteles laetus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,  
 188: 139. [biol., host l, Mass.]  
*Amblyteles laetus* Decker, Ia. State Col. Jour. Sci., 1935, 9: 573. [biol., host  
 g j, Ia.]  
*Ichneumon leucaniae* Townes, Ent. News, 1938, 49: 219. [biol.]  
*Amblyteles laetus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
*Amblyteles leucaniae* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
*Amblyteles laetus* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939, 70:  
 87. [Que.]

PYRAUSTIDAE: a, *Pyrausta ainsliei*. GEOMETRIDAE: b, geometrid on woodbine.  
 LYMANTRIIDAE: c, *Hemerocampa leucostigma*. PHALAENIDAE: d, *Amathes c-nigrum*; e,  
*Cirphis unipuncta*; f, *Macronoctua onusta*; g, *Oligia fractilinea*; h, *Papaipema cataphracta?*;  
 i, *Papaipema duplicata*; j, *Papaipema nebris*; k, climbing cut-worm; l, phalaenid.

***Pterocormus lividulus* (Provancher) new combination**

*Ichneumon lividulus* Provancher, Nat. Canad., 1877, 9: 10. ♀. [o.d., Que.  
 (M.P.Q.)]

*Ichneumon lividulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♀. [key, des.]

*Ichneumon lividulus* Provancher, Nat. Canad., 1878, 10: 268, 360; (Faune, p. 286). [key, des.]

*Ichneumon lividulus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]

*Ichneumon lividulus* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]

*Ichneumon lividus* (!) Slosson, Ent. News, 1898, 8: 253. [N.H.]

*Ichneumon lividulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [host *a*, N.J.]

*Stenichneumon lividulus* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]

PHALAEINIDAE: *a*, *Amathes c-nigrum*.

### **Pterocormus longulus** (Cresson)

*Ichneumon longulus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 171. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon longulus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 257. [Colo.]

*Ichneumon longulus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♂. [key, des., B.C., Calif., Canada, Colo., N.M.]

*Ichneumon longulus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon longulum* Howard, The Insect Book, 1902, plate 10, fig. 5.

*Ichneumon longulus* Gillette, Bull. Colo. Agr. Exp. Sta., 1904, 94: 8. [host *a*, Colo.]

*Ichneumon longulus* Johnson, Bull. Colo. Agr. Exp. Sta., 1905, 98: 21. [host *a*, Colo.]

*Ichneumon longulus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Ichneumon longulus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Man.]

*Amblyteles* (*Pterocormus*?) *longulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]

*Amblyteles* (*Pterocormus*?) *longulus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 184. [fig.]

*Amblyteles longulus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Ichneumon longulus* Peck, Canad. Jour. Res., 1937, D, 15: 248, 249. [fig. ♂ genitalia]

*Amblyteles longulus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Amblyteles longulus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

PHALAEINIDAE: *a*, *Chorizagrotis auxiliaris*.

### **Pterocormus maius** (Cresson)

*Ichneumon maius* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 307. ♀. [o.d., Mass. (A.N.S.P.)]

*Ichneumon versabilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, o.d., N.Y. (A.N.S.P.), Canada, Me., Va.] New synonymy.

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- Ichneumon maius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 179. ♀. [key, des., Mass., N.C.]
- Ichneumon versabilis* Provancher, Nat. Canad., 1882, 13: 308, 323; (Faune, p. 762). [key, des., Que.]
- Ichneumon versabilis* Howard, in Scudder: Butterflies of Eastern U.S. and Canada, 1889, 3: 1877. [key, fig., host *b c*]
- Ichneumon versabilis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon maius* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 154. [biol., N.H.]
- Ichneumon versabilis* Slosson, Ent. News, 1900, 11: 319. [N.H.]
- Ichneumon versabilis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles (Pterocormus?) versabilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key, Conn.]
- Amblyteles (Pterocormus?) brittoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 347, 348, 358. ♀. [o.d. in key, Torrington, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Amblyteles (Pterocormus?) maius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles versabilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles versabilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles versabilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]
- Amblyteles versabilis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *a*, Mass.]
- Ichneumon maius?* Townes, Ent. News, 1938, 49: 219. [biol.]
- Amblyteles maius* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- NYMPHALIDAE: *a*, *Euphydryas phaeton*; *b*, *Polygonia faunus*. LYCAENIDAE: *c*, *Lycaena hypophlaeas*.

***Pterocormus mendax* (Cresson) new combination**

- Ichneumon mendax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♀. [key, o.d., Canada (A.N.S.P.), Mass.]
- Phygadeuon Guignardi* Provancher, Addit. Faune Canada, Hymén., 1886, p. 50. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]
- Ichneumon mendax* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon guignardi* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Ichneumon mendax* Davis, Canad. Ent., 1895, 27: 289. [syn.]
- Melanichneumon mendax* Roman, Ent. Tidskr., 1910, 31: 177. [syn.]
- Amblyteles mendax* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]
- Amblyteles mendax* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Phygadeuon guignardi* Walley, Canad. Ent., 1937, 69: 116. [syn.]
- Amblyteles mendax*, Brimley, Insects of N.C., 1938, p. 404, [biol., N.C.]



**Pterocormus neutralis** (Cresson) new combination

*Ichneumon odiosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 145. ♂. [key, o.d., Calif. (A.N.S.P.)] New synonymy.

*Ichneumon neutralis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♂. [key, o.d., Calif. (A.N.S.P.)]

*Ichneumon odiosus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 348. [des.]

*Ichneumon neutralis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 349. [des.]

*Coelichneumon agnitus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn., des., ?Ga., Mexico, N.S.] In part.

*Coelichneumon odiosus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, des.]

**Pterocormus nigratorius** (Fabricius) new combination

*Ichneumon nigratorius* Fabricius, System. Piez., 1804, p. 55. [o.d., North America (Copenhagen Mus.)]

*Ichneumon nigratorius* Trentepol, Isis von Oken, 1829, 22: 807. [redescription of type]

*Ichneumon nigratorius* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 305. ♀. [des., Carolina]

*Ichneumon nigratorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 206. [des.]

**Pterocormus nigrotergus** (Davis) new combination

*Ichneumon nigrotergus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 350. ♀. [o.d., Custer, S.D. (A.N.S.P.)]

**Pterocormus nigrovariegatus** (Provancher) new combination

*Phygadeuon dorsalis* Provancher, Nat. Canad., 1874, 6: 285. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1864. New synonymy.

*Ichneumon humilis* Provancher, Nat. Canad., 1875, 7: 24, 82. ♀ (not ♂). [key, o.d., Que. (M.P.Q.)] Preoccupied by Wesmael, 1857.

*Phygadeuon nigrovariegatus* Provancher, Nat. Canad., 1875, 7: 182, 183. ♀. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon dorsalis* Provancher, Nat. Canad., 1875, 7: 183. [key]

*Ichneumon humilis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

*Ichneumon humilis* var. *dorsalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [syn.]

*Ichneumon nigrovariegatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

*Ichneumon nigrovariegatus* Provancher, Nat. Canad., 1878, 10: 357; (Faune, p. 283). [des.]

*Ichneumon humilis* Provancher, Nat. Canad., 1878, 10: 268, 358; (Faune, p. 283). [key, des.]

*Ichneumon humilis* Slosson, Ent. News, 1896, 7: 264. [N.H.]

*Ichneumon humillimus* Dalla Torre, Cat. Hymen., 1902, 3: 923. [new name for *Phygadeuon dorsalis* Provancher]

*Amblyteles humillimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles nigrovariegatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles humillimus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]

***Pterocormus ormsbyensis* (Cameron) new combination**

*Pseudamblyteles ormsbyensis* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 242.

♂. [o.d., Ormsby Co., Nev. (British Mus.)]

*Ichneumon ormsbyensis* Heinrich, Ann. Mag. Nat. Hist., 1927, (10), 20: 273. [syn.]

***Pterocormus parvus* (Cresson)**

*Ichneumon parvus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 159. ♂. [o.d., Ill. (A.N.S.P.), N.Y.]

*Ichneumon parvus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [Eastern, Middle, and Western States]

*Ichneumon parvus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 163. ♂. [key, des., Ill., Mass., N.Y., Va.]

*Ichneumon xanthopsis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 390. ♂. [o.d., St. Louis, Mo. (U.S.N.M.)] New synonymy.

*Ichneumon parvus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon parvus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon parvus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Ichneumon parvus* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]

*Ichneumon xanthropus* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

*Amblyteles* (*Pterocormus*?) *parvus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles parvus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles parvus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles parvus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles parvus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

***Pterocormus patroclus* (Viereck) new combination**

*Cratichneumon patroclus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 77. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

***Pterocormus pedalis* (Cresson) new combination**

*Ichneumon pedalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 141. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon pedalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. ♂, ♀. [des., Colo.]

- Ichneumon pedalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 158. [key, des.]  
*Cratichneumon pedalis* Viereck, Ent. News, 1902, 13: 87. [syn.]  
*Cratichneumon pedalis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 75. [N.M.]  
*Ichneumon pedalis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [des., Colo.]  
*Ichneumon pedalis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]  
*Amblyteles pedalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]  
*Amblyteles pedalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

**Pterocormus pictifrons** (Cresson) new combination

- Ichneumon pictifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 160. ♂. [o.d., Colo. (A.N.S.P.)]  
*Ichneumon pictifrons* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [Colo.]  
*Ichneumon pictifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 161. ♂. [key, des.]  
*Ichneumon pictifrons* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]

**Pterocormus placidus** (Provancher) new combination

- Ichneumon placidus* Provancher, Nat. Canad., 1875, 7: 23, 76. ♂. [key, o.d., Que. (M.P.Q.)]  
*Ichneumon placidus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂. [key, des.]  
*Ichneumon placidus* Provancher, Nat. Canad., 1878, 10: 272, 360; (Faune, p. 285). [key, des.]  
*Ichneumon placidus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]  
*Protichneumon placidus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 103. [key, des., "U. S."]

**Pterocormus popofensis** (Ashmead) new combination

- Ichneumon popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 154. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]  
*Euichneumon popofensis* Berthoumieu, Genera Insectorum, 1904, 18: 37. [syn.]

**Pterocormus procax** (Cresson) new combination

- Ichneumon procax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 170. ♂. [key, o.d., Canada (A.N.S.P.)]

**Pterocormus purpuripennis** (Cresson) new combination

- Ichneumon purpuripennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 175. ♀. [key, o.d., Calif. (A.N.S.P.)]  
*Ichneumon purpuripennis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 350. [des.]  
*Ichneumon purpuripennis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [host a, N.J.]

*Amblyteles purpuripennis* Swezey, Proc. Haw. Ent. Soc., 1923, 5: 303. [host *b*, Calif.]

PHALAEINIDAE: *a*, *Amathes c-nigrum*; *b*, *Cirphis unipuncta*.

**Pterocormus putus** (Cresson)

*Ichneumon putus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♀. [key, o.d., Conn. (A.N.S.P.)]

*Ichneumon putus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

*Amblyteles putus* Franklin, Bull. Mass. Agr. Exp. Sta., 1916, 168: 32. [host *a*, Mass.]

*Amblyteles* (*Pterocormus*?) *putus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles putus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles putus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles putus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

GEOMETRIDAE: *a*, *Itame sulphurea*.

**Pterocormus quadrizonatus** (Viereck)

*Amblyteles* (*Pterocormus*) *quadrizonatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 352, 357. ♂. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

*Amblyteles quadrizonatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles quadrizonatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles quadrizonatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]

**Pterocormus restrictus** (Cresson) new combination

*Ichneumon restrictus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♂. [key, o.d., N.Y. (A.N.S.P.)]

*Amblyteles restrictus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles restrictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Pterocormus rufiventris** (Brullé)

*Ichneumon rufiventris* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 301. ♂, ♀. [o.d., N. Amer. (Paris Mus.)]

*Ichneumon semicoccineus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 179. ♂. [o.d., Va. (A.N.S.P.), Del.]

*Ichneumon rufiventris* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn., Canada, Eastern, Middle, and Western States]

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- Ichneumon semicoccineus* Provancher, Nat. Canad., 1875, 7: 24, 83. ♂, ♀.  
[key, des., Que.]
- Ichneumon rufiventris* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♂, ♀.  
[key, syn., des., host *d*, Calif., Canada, Del., Ill., Md., Mass., N.J., Pa., Va.]
- Ichneumon rufiventris* Provancher, Nat. Canad., 1878, 10: 268, 272, 359;  
(Faune, p. 285). [key, des.]
- Ichneumon rufiventris* Heustis, Canad. Ent., 1881, 13: 143-144. [biol., host *c*,  
N.B.]
- Ichneumon hunterae* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 22. ♂,  
♀. [o.d., host *d*, no locality given (M.C.Z.)] New synonymy.
- Ichneumon rufiventris* Heustis, Ann. Rpt. Ent. Soc. Ont., 1882, 12: 29. [biol.,  
host *c*, N.B.]
- Ichneumon insolens* Taylor, Canad. Ent., 1884, 16: 91. [host *c*, B.C.] Mis-  
determined
- Ichneumon rufiventris* Riley and Howard, Insect Life, 1888, 1: 161. [host *a c d*]
- Ichneumon rufiventris* Weed, Psyche, 1888, 5: 53. [host *c*, Ohio]
- Ichneumon rufiventris* Howard, in Scudder: Butterflies of Eastern U. S. and  
Canada, 1889, 3: 1875. [key, syn., des., fig., host *d*, Que.]
- Ichneumon rufiventris* Riley and Howard, Insect Life, 1890, 3: 151. [host *c*,  
Mo., Pa., Va.]
- Ichneumon rufiventris* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon rufiventris* Harrington, Canad. Ent., 1897, 29: 21. [B.C.]
- ?*Ichneumon vulviventris* Nason, Ent. News, 1905, 16: 148. [Ill.] Apparently a  
lapsus for *Ichneumon rufiventris*.
- Ichneumon rufiventris* Roman, Ent. Tidskr., 1910, 31: 170. [syn.]
- Ichneumon rufiventris* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634.  
[N.J.]
- Protichneumon rufiventris* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 100, 103.  
[key, des., Hudson Bay, N.H.]
- Ichneumon rufiventris* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Amblyteles* (*Pterocormus*?) *rufiventris* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 358. [key]
- Amblyteles rufiventris* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173.  
[Minn.]
- Amblyteles rufiventris* Champlain, Psyche, 1922, 29: 100. [host *c d*, Pa.]
- Amblyteles rufiventris* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145.  
[Me.]
- Amblyteles rufiventris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
925. [N.Y.]
- Amblyteles rufiventris* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles rufiventris* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.  
2: 98. [Mass.]
- Amblyteles rufiventris* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,  
1934, 188: 140. [biol., host *b c d*, Me., Mass., N.J., N.Y., Pa.]

*Amblyteles rufiventris* Brimley, Insects of N.C., 1938, p. 405. [N.C.]  
*Amblyteles rufiventris* Chagnon and Fournier, Ann. Rpt. Ent. Soc. Ont., 1939,  
 70: 87. [Que.]

*Amblyteles rufiventris* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host c,  
 Calif.]

NYMPHALIDAE: a, *Nymphalis milberti*; b, *Polygonia comma*; c, *Vanessa cardui*; d,  
*Vanessa virginiensis*.

***Pterocormus rufiventris* var. *incertus* (Cresson) new combination**

*Ichneumon incertus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 180. ♀. [o.d.,  
 N.J. (A.N.S.P.)]

*Ichneumon californicus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 180. ♂.  
 [o.d., Calif. (A.N.S.P.)] New synonymy.

*Ichneumon rufiventris* var. *incertus* Cresson, Trans. Amer. Ent. Soc., 1867, 1:  
 291. [syn.]

*Ichneumon rufiventris* var. *californicus* Cresson, Synops. Hymen. N. Amer.,  
 1887, p. 184. [syn.]

***Pterocormus seditiosus* (Cresson) new combination**

*Ichneumon seditiosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀.  
 [key, o.d., Colo. (A.N.S.P.)]

***Pterocormus similaris* (Provancher) new combination**

*Ichneumon similaris* Provancher, Nat. Canad., 1875, 7: 26. ♂. [key, o.d.,  
 Que. (M.P.Q.)]

*Ichneumon similaris* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♂. [key,  
 des.]

*Ichneumon similaris* Provancher, Nat. Canad., 1878, 10: 270, 298; (Faune, p.  
 274). [key, des.]

*Amblyteles similaris* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 185. [syn.]  
 In part.

*Ichneumon similaris* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Automalus nigropilosus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 148. ♂.  
 [o.d., Alaska (U.S.N.M.)] New synonymy.

***Pterocormus stygicus* (Cresson) new combination**

*Ichneumon signatipes* Provancher, Nat. Canad., 1875, 7: 22, 52. ♀. [key,  
 o.d., Que. (M.P.Q.)] Preoccupied by Cresson, 1867.

*Ichneumon stygicus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 151. ♀. [key,  
 des., Canada, Mass., new name for *Ichneumon signatipes* Provancher]

*Ichneumon stygicus* Provancher, Nat. Canad., 1878, 10: 267, 294; (Faune, p.  
 270). [key, des.]

*Amblyteles stygicus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles stygicus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]

*Amblyteles stygicus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

*Amblyteles stygicus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Pterocormus subdolos** (Cresson)

*Ichneumon subdolos* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 298. ♀. [o.d., Mass. (A.N.S.P.), Me.]

*Ichneumon subdolos* Provancher, Nat. Canad., 1875, 7: 23, 53. [key, Que.]

*Ichneumon subdolos* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 166. ♀. [key, des., Canada, Me., Mass.]

*Ichneumon subdolos* Provancher, Nat. Canad., 1878, 10: 268, 354; (Faune, p. 279). [key, des.]

*Ichneumon subdolos* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Ichneumon subdolos* Fletcher, Insect Life, 1892, 5: 125. [host a, Ont.]

*Ichneumon subdolos* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

*Ichneumon subdolos* Winn, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 71. [host a]

*Ichneumon subdolos* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

*Ichneumon subdolos* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

*Amblyteles* (*Pterocormus*?) *subdolos* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]

*Amblyteles subdolos* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

*Amblyteles subdolos* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles subdolos* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles subdolos* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: a, *Hydroecia immanis*.

**Pterocormus subrestrinctus** (Viereck) new combination

*Cratichneumon restrinctus* var. *subrestrinctus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 76. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

**Pterocormus terminatus** (Provancher) new combination

*Phygadeuon terminatus* Provancher, Nat. Canad., 1882, 13: 335, 357; (Faune, p. 780). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Phygadeuon terminatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 48. [key]

*Ichneumon terminatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

**Pterocormus trizonatus** (Provancher) new combination

*Ichneumon trizonatus* Provancher, Nat. Canad., 1877, 9: 8. ♂. [o.d., Que. (M.P.Q.)]

*Ichneumon trizonatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 162. ♂. [key, des.]

*Ichneumon trizonatus* Provancher, Nat. Canad., 1878, 10: 271, 350; (Faune, p. 276). [key, des.]

*Ichneumon trizonatus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon trizonatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 145. [N.S.]

*Amblyteles trizonatus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**Pterocormus truculentus** (Cresson) new combination

*Ichneumon truculentus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 150. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

*Amblyteles truculentus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles truculentus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

**Pterocormus tumidifrons** (Cresson) new combination

*Ichneumon tumidifrons* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 311. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon tumidifrons* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des.]

*Ichneumon tumidifrons* Slosson, Ent. News, 1896, 7: 264. [N.H.]

**Pterocormus ultimus** (Cresson) new combination

*Ichneumon ultimus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

*Ichneumon ultimus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.J.]

*Amblyteles ultimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Ichneumon ultimus* Townes, Ent. News, 1938, 49: 219. [biol.]

**Pterocormus unalaskae** (Ashmead) new combination

*Stenichneumon unalaskae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 148. ♂. [o.d., Unalaska, Alaska (U.S.N.M.)]

**Pterocormus uncinatus** (Cresson) new combination

*Ichneumon uncinatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 159. ♀. [key, o.d., Canada (A.N.S.P.)]

*Amblyteles uncinatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles uncinatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Amblyteles uncinatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

**Pterocormus vecors** (Cresson) new combination

*Ichneumon ventralis* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 308. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)] Preoccupied by Cresson, 1865.

*Ichneumon vecors* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 172. ♀. [key, des., new name for *Ichneumon ventralis* Cresson, 1867]

*Ichneumon vecors* Evans, Canad. Ent., 1896, 28: 10. [Ont.]



**Pterocormus vicinus** (Cresson) new combination

*Ichneumon vicinus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 169. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon vicinus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 182. ♀. [key, des.]

*Ichneumon vicinus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 32. ♀. [des., Ont.]

*Ichneumon vicinus* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Ichneumon vicinus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

*Amblyteles vicinus* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

*Amblyteles vicinus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 397. [Me.]

**Pterocormus vinulentus** (Cresson) new combination

*Ichneumon vinulentus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 162. ♂. [o.d., Colo. (A.N.S.P.)]

*Ichneumon vinulentus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 256. [Colo.]

*Ichneumon vinulentus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 176. ♂. [key, des.]

**Pterocormus vivax** (Cresson) new combination

*Ichneumon vivax* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 178. ♀. [key, o.d., White Mts., N.H. (A.N.S.P.)]

*Ichneumon vivax* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Amblyteles vivax* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles vivax* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]

*Amblyteles vivax* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

*Amblyteles vivax* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 99. [Mass.]

**Pterocormus volesus** (Cresson) new combination

*Ichneumon volesus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 304. ♀. [o.d., Mass. (A.N.S.P.)]

*Ichneumon volesus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 169. ♀. [key, des.]

*Amblyteles volesus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]

*Amblyteles volesus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]

**Pterocormus zelotypus** (Cresson) new combination

*Ichneumon zelotypus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 299. ♂. [o.d., W.Va. (A.N.S.P.)]

*Ichneumon zelotypus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 167. ♂. [key, des.]

## Subfamily 4. PHAEOGENINAE

## Tribe 8. PROTICHNEUMONINI

**COELICHNEUMON** Thomson

*Coelichneumon* Thomson, Opusc. Ent., 1893, 18: 1901.

Genotype: *Ichneumon lineator* Gravenhorst.

*Aglaojoppa* Cameron, Ann. Mag. Nat. Hist., 1901, (7), 7: 381.

Genotype: *Aglaojoppa flavomaculata* Cameron.

*Cyanojoppa* Cameron, Ztschr. Hymen. Dipt., 1902, 3: 398.

Genotype: *Cyanojoppa rufo-femorata* Cameron.

**Coelichneumon ater** (Cresson) new combination

*Ichneumon ater* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 138. ♀. [o.d., N.Y. (A.N.S.P.), Ill.]

*Ichneumon ater* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♀. [key, des.]

*Amblyteles ater* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles ater* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

**Coelichneumon azotus** (Cresson) new combination

*Ichneumon azotus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 150. ♂. [o.d., Del. (A.N.S.P.)]

*Ichneumon agnitus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 151. ♀. [o.d., Del. (A.N.S.P.)] New synonymy.

*Ichneumon agnitus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Del., Ill.]

*Ichneumon azotus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Del., W.Va.]

*Ichneumon agnitus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]

*Ichneumon agnitus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♀. [key, des.]

*Ichneumon azotus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key, des., Del., Mass., "Va."]

*Ichneumon azotus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Cratichneumon azotus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

*Ichneumon azotus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]

*Coelichneumon agnitus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn. (in part), des., ?Ga., Mexico, N.S.]

*Amblyteles* (*Cratichneumon*) *azotus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 357. [key]

*Amblyteles agnitus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]

*Amblyteles agnitus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

*Amblyteles azotus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]

*Amblyteles azotus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

*Amblyteles agnitus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

***Coelichneumon barnstoni* Morley**

*Coelichneumon barnstoni* Morley, Rev. Ichneumon. Brit. Mus., 1915, 4: 130. ♂, ♀. [key, o.d., Hudson Bay (British Mus.)]

*Coelichneumon barnstoni* Heinrich, Ann. Mag. Nat. Hist., 1937, (10), 22: 262. [syn.]

***Coelichneumon brunneri* (Rohwer) new combination**

*Ichneumon brunneri* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 180. ♂, ♀. [o.d., fig., Missoula, Mont. (U.S.N.M.)]

*Amblyteles brunneri* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]

***Coelichneumon caeruleus* (Cresson)**

*Ichneumon pulcher* Brullé. Hist. Nat. Insectes, Hymén., 1846, 4: 304. ♂ only (♀ = *pulcher*), des.]

*Ichneumon caeruleus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 149. ♀. [o.d., Ill. (A.N.S.P.)]

*Ichneumon caeruleus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. Eastern, Middle, and Western States]

*Ichneumon caeruleus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]

*Ichneumon caeruleus* Provancher, Nat. Canad., 1875, 7: 22, 53. ♂, ♀. [key, des., Que.]

*Ichneumon caeruleus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♂, ♀. [key, des., Canada, Ga., Ill., Md., Mass., N.J., Pa., Tex., Va.]

*Ichneumon caeruleus* Provancher, Nat. Canad., 1878, 10: 267, 270, 292; (Faune, p. 268). [key, des.]

*Ichneumon caeruleus* Riley, Amer. Ent., 1880, 3: 134. [biol., host *e*]

*Ichneumon caeruleus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Ichneumon caeruleus* Riley and Howard, Insect Life, 1890, 3: 151. [host *f*, Mo.]

*Ichneumon caeruleus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon caeruleus* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Ichneumon caeruleus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon coeruleus* (!) Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., host *c*, D.C.]

*Ichneumon caeruleus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Ichneumon coeruleus* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J.]

*Ichneumon coeruleus* (!) Howard, The Insect Book, 1902, plate 10, fig. 16.

*Ichneumon caeruleus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Coelichneumon caeruleus* Roman, Ent. Tidskr., 1910, 31: 152. [des., N.C.]

- Coelichneumon caeruleus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 127.  
[key, syn. (in part), des., Colo., Hudson Bay, Me., Mont., N.Y.]
- Ichneumon caeruleus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]
- Amblyteles (Coelichneumon) caeruleus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles caeruleus* Champlain, Psyche, 1922, 29: 100. [host g, Pa.]
- Amblyteles caeruleus* Flanders, Pan-Pacific Ent., 1926, 2: 158. [host b, Calif.]
- Amblyteles caeruleus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]
- Amblyteles caeruleus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles caeruleus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 922. [N.Y.]
- Amblyteles caeruleus* Balduf, Ohio Jour. Sci., 1929, 29: 226. [biol., host d, Ohio]
- Amblyteles caeruleus* Breakey, Ann. Ent. Soc. Amer., 1930, 23: 187. [biol., host d, Wis.]
- Amblyteles caeruleus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Amblyteles caeruleus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 60. [Ut.]
- Amblyteles caeruleus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]
- GEOMETRIDAE: a, *Paraphia piniata*; b, *Prochoerodes forficaria*. LYMANTRIIDAE: c, *Hemerocampa leucostigma*. PHALAENIDAE: d, *Achatodes zede*. ARCTIIDAE: e, *Isia isabella*; f, arctiid. Miscellaneous: g, moth pupa.

***Coelichneumon chalybaeus* (Cresson)**

- Ichneumon chalybaeus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 146. ♀.  
[key, o.d., Mass. (A.N.S.P.)]
- Coelichneumon chalybaeus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 128.  
[key, Colo.]
- Coelichneumon germanus* (Cresson) new combination**
- Ichneumon germanus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, o.d., Mass. (A.N.S.P.), W.Va.]
- Ichneumon citimus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 144. ♂. [key, o.d., White Mts., N.H. (A.N.S.P.)] New synonymy.
- Ichneumon germanus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565. [N.J.]
- Amblyteles (Pterocormus?) germanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key]
- Amblyteles citimus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]
- Amblyteles germanus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles germanus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]

*Amblyteles citimus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]  
*Amblyteles germanus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 923. [N.Y.]

**Coelichneumon histricus** (Cresson) new combination

*Ichneumon histricus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 294. ♂. [o.d.,  
 W.Va. (A.N.S.P.)]  
*Ichneumon histricus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂. [key,  
 des.]

**Coelichneumon jejunos** (Cresson)

*Ischnus jejunos* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 186. ♂. [o.d., Ill.  
 (A.N.S.P.), Mass.]  
*Ichneumon jejunos* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [syn., Ill.,  
 N.Y.]  
*Ichneumon apertus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 293. ♀. [o.d.,  
 Ill. (A.N.S.P.), Conn., N.Y.] New synonymy.  
*Ichneumon apertus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♀. [key,  
 des., Canada, Conn., Ill., N.Y.]  
*Ichneumon jejunos* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 154. ♂. [key,  
 des., Ill., Mass., N.Y.]  
*Amblyteles jejunos* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Ichneumon jejunos* Asfimead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565.  
 [N.Y.]  
*Amblyteles jejunos* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567.  
 [N.Y.]  
*Ichneumon jejunos* Nason, Ent. News, 1905, 16: 147. [Ill.]  
*Ichneumon jejunos* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]  
*Coelichneumon jejunos* Roman, Ent. Tidskr., 1910, 31: 152. [syn.]  
*Amblyteles* (*Pterocormus*?) *apertus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
 1917, 22: 356. [key]  
*Amblyteles apertus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 144. [Me.]  
*Amblyteles apertus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 922. [N.Y.]  
*Amblyteles jejunos* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 923. [N.Y.]  
*Amblyteles apertus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

**Coelichneumon maurator** (Brullé)

*Joppa maurator* Brullé, Hist. Nat. Insectes, Hymen., 1846, 4: 287. ♂, ♀.  
 [o.d., Carolina (Paris Mus.)]  
*Ichneumon insolens* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 302. ♂, ♀.  
 [o.d., La. (A.N.S.P.), Fla., Ga., Miss.]  
*Joppa maurator* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]  
 MEM. AMER. ENT. SOC., 11 pt. 1.

- Ichneumon insolens* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 156. [Tex.]  
*Joppa Canadensis* Provancher, Nat. Canad., 1874, 6: 336. ♀. [o.d., Que. (M.P.Q.)]  
*Ichneumon insolens* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 174. ♂, ♀. [key, syn., des., Canada, Fla., Ga., La., N.C., Tex.]  
*Joppa maurator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]  
*Ichneumon insolens* Provancher, Nat. Canad., 1878, 10: 268, 272, 361; (Faune, p. 286). [key, des.]  
*Ichneumon insolens* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 42. [Colo.]  
*Tetragonochora maurator* Kriechbaumer, Ent. Nachr., 1898, 24: 30.  
*Tetragonochora insolens* Howard, The Insect Book 1902, plate 9, fig. 13.  
*Macrojoppa canadensis* Berthoumieu, Genera Insectorum, 1904, 18: 8. [syn.]  
*Microjoppa canadensis* Berthoumieu, Genera Insectorum, 1904, 18: 11. [syn.]  
*Ichneumon insolens* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [host a]  
*Tetragonochora maurator* Roman, Ent. Tidskr., 1910, 31: 194. [des.]  
*Coelichneumon maurator* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 131. [key, syn., des., United States]  
*Ichneumon insolens* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]  
*Amblyteles (Tetragonochora) insolens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]  
*Amblyteles insolens* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]  
*Amblyteles maurator* Brimley, Insects of N.C., 1938, p. 404. [N.C.]  
 NYMPHALIDAE: a, *Nymphalis antiopa*.

#### **Coelichneumon maurus** (Cresson)

- Ichneumon maurus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 135. ♀. [o.d., W.Va. (not Va.) (A.N.S.P.)]  
*Ichneumon maurus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [W.Va.]  
*Ichneumon maurus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., Ga., N.C., "Va."]  
*Ichneumon maurus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]  
*Amblyteles maurus* Doane and Brodie, Bull. Wash. Agr. Exp. Sta., 1901, 47: 10. [biol., host a, Wash.]  
*Ichneumon maurus* Nason, Ent. News, 1905, 16: 147. [Ill.]  
*Ichneumon maurus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 226. [Ariz.]  
*Ichneumon maurus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 634. [N.J.]  
*Coelichneumon maurus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, syn. (in part), des., Hudson's Bay]  
*Amblyteles maurus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]  
*Amblyteles maurus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]

*Amblyteles maurus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles maurus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles maurus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]

PHALAEINIDAE: a, *Peridroma margaritosa*.

**Coelichneumon navus** (Say)

*Ichneumon navus* Say, Boston Jour. Nat. Hist., 1836, 1: 229; (Leconte, Ed. 2: 687). ♂, ♀. [o.d., United States (type destroyed)]

*Ichneumon navus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern and Western States]

*Ichneumon cinctipes* Provancher, Nat. Canad., 1875, 7: 22, 51. ♀. [key, o.d., Que. (M.P.Q.)]

*Ichneumon navus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂, ♀. [key, syn., des., Canada, Ill., Md., Pa.]

*Ichneumon navus* Provancher, Nat. Canad., 1878, 10: 267, 269, 292; (Faune, p. 268). [key, des.]

*Ichneumon navus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Ichneumon navus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

*Ichneumon navus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Coelichneumon navus* Roman, Ent. Tidskr., 1910, 31: 152. [syn.]

*Coelichneumon navus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, des., Ont.]

*Amblyteles* (*Coelichneumon*) *navus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key]

*Amblyteles navus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]

*Amblyteles navus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]

*Amblyteles navus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]

*Amblyteles navus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 98. [Mass.]

*Amblyteles navus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 396. [Me.]

*Amblyteles navus* Brimley, Insects of N.C. 1938, p. 404. [N.C.]

**Coelichneumon nigraticolor** (Viereck) new combination

*Amblyteles* (*Chasmias*?) *nigraticolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 344, 355. ♀. [o.d. in key, Branford, Conn. (Conn. Agr. Exp. Sta.)]

**Coelichneumon orpheus** (Cresson) new combination

*Ichneumon orpheus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 136. ♀. [o.d., Pa. (A.N.S.P.)]

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- Ichneumon orpheus* Cresson, Proc. Ent. Soc. Phila., 1867, 1: 290. [Conn., Pa.]  
*Ichneumon orpheus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 142. ♀. [key, des., Mass., Pa.]  
*Ichneumon orpheus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]  
*Ichneumon orpheus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Obba (Ichneumon) orpheus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]  
*Ichneumon orpheus* Washburn, Jour. Econ. Ent., 1910, 3: 168. [host *a b*, Minn.]  
*Ichneumon orpheus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Amblyteles (Chasmias) orpheus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key]  
*Amblyteles orpheus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. [Minn.]  
*Amblyteles orpheus* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]  
*Amblyteles orpheus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 924. [N.Y.]  
*Amblyteles orpheus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *c*, Ut.]

PHALAENIDAE: *a*, ?*Papaipema cataphracta*; *b*, ?*Papaipema nebris*. Miscellaneous: *c*, lepidopteran.

**Coelichneumon otiosus** (Say) new combination

- Ichneumon otiosus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 69; (Leconte, Ed. 1: 374). (♀). [o.d., Ind. (type destroyed)]  
*Ichneumon (Ichneumon) otiosus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]  
*Ichneumon otiosus* Say, Boston Jour. Nat. Hist., 1836, 1: 228; (Leconte, Ed. 2: 686). [des., Northwest Territories]  
*Ichneumon otiosus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western states]  
*Ichneumon otiosus* Provancher, Nat. Canad., 1875, 7: 22, 53. [key, Que.]  
*Ichneumon otiosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 155. ♀. [key, des., Canada, Del., Ill., N.J., Pa.]  
*Ichneumon otiosus* Provancher, Nat. Canad., 1878, 10: 267, 297; (Faune, p. 273). [key, des.]  
*Ichneumon otiosus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]  
*Stenichneumon otiosus* Roman, Ent. Tidskr., 1910, 31: 192. [syn.]  
*Amblyteles (Stenichneumon?) otiosus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 355. [key, Conn.]  
*Amblyteles otiosus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 166. [syn.]  
*Amblyteles otiosus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]  
*Amblyteles otiosus* Brimley, Insects of N.C., 1938, p. 404. [N.C.]



**Coelichneumon pepticus** (Cresson) new combination

*Ichneumon pepticus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Ill. (A.N.S.P.), N.J.]

*Ichneumon pepticus* Provancher, Nat. Canad., 1882, 13: 307, 322; (Faune, p. 761). [key, des., Que.]

*Ichneumon pepticus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon pepticus* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Amblyteles* (*Cratichneumon*?) *pepticus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 356. [key, Conn.]

*Amblyteles pepticus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Coelichneumon pequitoorum** (Viereck) new combination

*Amblyteles* (*Chasmias*?) *pequitoorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 345, 355. ♀. [o.d. in key, Putnam, Conn. (Conn. Agr. Exp. Sta.)]

**Coelichneumon pervagus** (Cresson) new combination

*Ichneumon pervagus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 148. ♂. [key, o.d., Canada (A.N.S.P.)]

*Coelichneumon agnitus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 129. [key, syn. (in part), des.]

*Ichneumon pervagus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Amblyteles pervagus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 388. [syn.]

*Amblyteles pervagus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

**Coelichneumon pulcher** (Brullé)

*Ichneumon pulcher* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 304. ♀. only (♂ = *caeruleus*). [o.d., N. Amer. (Paris Mus.)]

*Ichneumon pulcher* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [La., N.Y.]

*Ichneumon pulcher* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 147. ♂, ♀. [key, des., Canada, La., N.Y.]

*Coelichneumon pulcher* Roman, Ent. Tidskr., 1910, 31: 152. [des.]

*Coelichneumon pulcher* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 127. [key, des., Mexico]

*Amblyteles* (*Coelichneumon*) *pulcher*, Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 360. [key, Conn.]

*Amblyteles pulcher* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 925. [N.Y.]

*Amblyteles pulcher* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**Coelichneumon sassacus** (Viereck)

*Amblyteles* (*Coelichneumon*) *sassacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 349, 360. ♀. [o.d. in key, Westville, Conn. (Conn. Agr. Exp. Sta.)]

**Coelichneumon semilaevis** (Cresson) new combination

*Ichneumon semilaevis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 142. ♀. [o.d., Colo. (A.N.S.P.)]

*Ichneumon semilaevis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 249. [Colo.]

*Ichneumon semilaevis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 157. ♀. [key, des.]

*Ichneumon semilaevis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

**Coelichneumon solutus occidentalis** Roman

(*Ichneumon solutus* Holmgren, Ichneum. Suecica, 1864, 1: 145. ♀. [o.d., "Jemtlandia ad Åreskutan," Sweden (?Stockholm Mus.)])

(*Coelichneumon solutus* Roman, Ent. Tidskr., 1910, 31: 152. [des., Finland])

*Coelichneumon solutus occidentalis* Roman, Ann. Måg. Nat. Hist., 1934, (10), 14: 606. ♂. [o.d., Jameson Land, Greenland (?Stockholm Mus.)]

**Coelichneumon viola** (Cresson)

*Ichneumon viola* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 137. ♀. [o.d., Pa. (A.N.S.P.)]

*Ichneumon vittifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 143. ♂. [o.d., Del. (A.N.S.P.)] New synonymy.

*Ichneumon vittifrons* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 290. [Eastern, Middle, and Western States]

*Ichneumon viola* Cresson, Trans. Amer. Ent. Soc., 1877, 1: 290, 292. [des., Pa. W.Va.]

*Ichneumon viola* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 155. [Tex.]

*Ichneumon viola* Provancher, Nat. Canad., 1874, 7: 25. [key, des., Que.]

*Ichneumon viola* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 143. ♀. [key, des., Canada, Ga., Ill., Pa., Tex., "Va."]

*Ichneumon vittifrons* Cresson, Trans. Amer. Ent., Soc., 1877, 6: 153. ♂. [key, des., Del., Ga., Va.]

*Ichneumon recens* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 153. ♂. [key, o.d., W.Va. (A.N.S.P.)] New synonymy.

*Ichneumon viola* Provancher, Nat. Canad., 1878, 10: 267, 289; (Faune, p. 265). [key, des., Que.]

*Ichneumon viola* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ichneumon vittifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]

*Ichneumon viola* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 567. [N.Y.]

*Ichneumon viola* Howard, The Insect Book, 1902, plate 10, fig. 20.

*Ichneumon viola* Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [B.C.]

*Ichneumon viola* Nason, Ent. News, 1905, 16: 147. [Ill.]

*Ichneumon vittifrons* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Melanichneumon viola* Roman, Ent. Tidskr., 1910, 31: 177. [syn.]

- Coelichneumon vittifrons* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 128. [key, des., ?Tex.]
- Coelichneumon viola* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 130. [key, des.]
- Amblyteles* (*Melanichneumon*?) *viola* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 359. [key]
- Amblyteles vittifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles viola* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles viola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vittifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vittafrons* (!) Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles viola* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 140. [biol., host *a*, Mass.]
- Amblyteles viola* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

PHALAEINIDAE: *a*, *Catocala* sp.

***Coelichneumon vitalis* (Cresson) new combination**

- Ichneumon vitalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 149. ♀. [key, o.d., N.Y. (A.N.S.P.)]
- Ichneumon vitulis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 566. [N.Y.]
- Amblyteles vitalis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 389. [syn.]
- Amblyteles vitalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 146. [Me.]
- Amblyteles vitalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 926. [N.Y.]
- Amblyteles vitalis* Brimley, Insects of N.C., 1938, p. 405. [N.C.]

**PROTICHNEUMON** Thomson

*Protichneumon* Thomson, Opusc. Ent., 1893, 18: 1899.

Genotype: *Ichneumon fusorius* Linnaeus.

***Protichneumon grandis* (Brullé)**

- Ichneumon grandis* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 300. ♀. [o.d., Philadelphia, Pa. (Paris Mus.)]
- Ichneumon ambiguus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 161. ♀. [o.d., Pa. (A.N.S.P.)]
- Ichneumon regnatrix* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 178. ♀. [o.d., Del. (A.N.S.P.), Pa., Va.]
- Ichneumon ambiguus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 255. [des., Colo.]
- Ichneumon grandis* var. *regnatrix* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]

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- Ichneumon grandis* var. *ambiguus* Cresson, Trans. Amer. Ent. Soc., 1867, 1: 291. [syn.]
- Ichneumon grandis* Provancher, Nat. Canad., 1875, 7: 23, 75. [key, des., Que.]
- Ichneumon ambiguus* Provancher, Nat. Canad., 1875, 7: 23, 76. [key, des., Que.]
- Ichneumon ambiguus* Provancher, Nat. Canad., 1875, 7: 239. [Que.]
- Ichneumon grandis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 173. ♂, ♀. [key, syn., des., B.C., Canada, Colo., Del., Ga., Mass., N.Y., Pa.]
- Ichneumon grandis* Provancher, Nat. Canad., 1878, 10: 268, 272, 359; (Faune, p. 284). [key, des.]
- Ichneumon grandis* Provancher, Nat. Canad., 1879, 11: 268. [Que.]
- Ichneumon grandis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ichneumon grandis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ichneumon grandis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 565 [Pa.]
- Ichneumon grandis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 633. [N.J.]
- Protichneumon grandis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 102. [key, des., Ga., Va.]
- Ichneumon grandis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Ichneumon grandis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [B.C.]
- Amblyteles* (*Pterocormus*?) *grandis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 358. [key]
- Amblyteles grandis* Bradley, Bull. Lloyd Libr., 1926, 27: 168. [N.Y.]
- Amblyteles grandis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 145. [Me.]
- Amblyteles grandis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Amblyteles grandis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 923. [N.Y.]
- Amblyteles grandis* Viereck, Bull. N.Y. State Mus., 1928, 274: 191. [N.Y.]
- Amblyteles grandis* Brimley, Insects of N.C., 1938, p. 404. [N.C.]
- Protichneumon grandis* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

#### AMBLYJOPPA Cameron

- Amblyjoppa* Cameron, Ent., 1902, 35: 108.  
 Genotype: *Amblyjoppa rufo-balteata* Cameron.
- Hadrojoppa* Cameron, Ztschr. Hymen. Dipt., 1902, 2: 396.  
 Genotype: *Hadrojoppa annulitarsis* Cameron.

#### *Amblyjoppa magna* (Cresson) new combination

- Ichneumon magnus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 258. ♂. [o.d., Colo. (A.N.S.P.)]
- Amblyteles magnus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 191. ♂. [key, des.]

## Subfamily 4. PHAEOGENINAE

## Tribe 9. TROGINI

**CATADELPHUS** Wesmael

*Catadelphus* Wesmael, Bull. Acad. Sci. Belg., 1854, suppl., p. 134.

Genotype: *Ichneumon arrogator* Fabricius.

**Catadelphus atrox** var. **atrox** (Cresson)

*Trogus atrox* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♀. [o.d., Dakota Territory (A.N.S.P.)]

*Trogus atrox* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, des.]

*Trogus atrox* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [des., Kans.]

*Trogus atrox* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

*Catadelphus atrox* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342, 345. [key, des., host *a*, Calif., Colo., Kans., Mont., N.M., S.D., Tex.]

SPHINGIDAE: *a*, *Proserpinus juanita*.

**Catadelphus atrox** var. **marginipennis** (Cresson) new combination

*Trogus marginipennis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 93. ♂. [o.d., Dakota Territory (A.N.S.P.)]

*Trogus marginipennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂. [key, des.]

*Trogus marginipennis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 325. [Kans.]

*Trogus marginipennis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

*Catadelphus marginipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342. [key, des., Dakota Territory, Kans., N.M.]

**Catadelphus buccatus** (Cresson)

*Trogus buccatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♀. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Trogus buccatus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

*Trogus buccatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

*Trogus buccatus* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

*Catadelphus buccatus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 341. [key, des., B.C., Calif., Nev., Wash.]

**Catadelphus semiruber** Hopper

*Catadelphus semiruber* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 342. ♀. [key, o.d., Nipigon, Ont. (C.N.C.)]

**GNAMPTOPELTA** Hopper

*Gnamptopelta* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 333.

Genotype: *Trogus obsidianator* Brullé:

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**Gnamptopelta austrina** (Cresson)

*Trogus austrinus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♂, ♀. [o.d., Fla. (A.N.S.P.), Ga.]

*Trogus austrinus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂, ♀. [key, des.]

*Trogus austrinus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 82. [key]

*Trogus austrinus* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

*Gnamptopelta austrina* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 335. [key, des., Fla., Ga., S.C.]

**Gnamptopelta obsidianator** (Brullé)

*Trogus obsidianator* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 299. ♀. [o.d., Carolina; Philadelphia, Pa. (Paris Mus.)]

*Trogus obsidianator* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern, Middle, and Western States]

*Trogus obsidianator* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 157. [Tex.]

*Trogus obsidianator* Westcott, Canad. Ent., 1873, 5: 137. [host *a*, Ill.]

*Trogus obsidianator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀. [key, des., Ill., La., Pa., Tex.]

*Trogus obsidianator* Riley, Amer. Ent., 1880, 3: 134. [biol., host *a*]

*Trogus obsidianator* Riley and Howard, Insect Life, 1888, 1: 161. [host *b*]

*Trogus obsidianator* Weed, Psyche, 1888, 5: 52. [host ?*a*, Ohio]

*Trogus obsidianator* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1879. [key, host *b*]

*Trogus obsidianator* Smith, Rpt. N.J. Geologist, 1890, 2: 23. [N.J.]

*Psilomastax obsidianator* Kriechbaumer, Ent. Nachr., 1898, 24: 26. [key]

*Trogus obsidianator* Foster, Proc. La. Soc. Nat. for 1897-99, 1900, p. 63. [La.]

*Trogus obsidianator* Nason, Ent. News, 1905, 16: 148. [Ill.]

*Catadelphus obsidianator* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 80. [key, des., Ga.]

*Trogus obsidianator* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [Ont.]

*Trogus obsidianator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, host *b*]

*Trogus obsidianator* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]

*Trogus obsidianator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

*Trogus obsidianator* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

*Gnamptopelta obsidianator* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 334, 345. [key, des., Conn., D.C., Ga., Ill., Ind., Kans., La., Md., Mass., Mich., Mo., N.J., N.M., N.Y., Ohio, Ont., Pa., Vt., Va.]

ARCHIIDAE: *a*, *Isia isabella*. PAPILIONIDAE: *b*, *Papilio ajax*.

**CALLAJOPPA** Cameron

*Callajoppa* Cameron, Ent., 1903, 36: 236.

Genotype: *Callajoppa bilineata* Cameron.

**Callajoppa cirrogaster** (Schrank)

*Ichneumon Cirrogaster* Schrank, Enum. Ins. Austr., 1781, p. 348. ♂. [o.d., Austria (location of type unknown)]

*Callajoppa cirrogaster* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 332. [des., Ont.]

Occurrence in the Nearctic Region needs confirmation.

**TRICYPHUS** Kriechbaumer

*Tricyphus* Kriechbaumer, Ent. Nachr., 1898, 24: 4, 30.

Genotype: *Tricyphus cuspidiger* Kriechbaumer.

**Tricyphus apicalis** (Cresson)

*Trogus apicalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, o.d., Ga. (A.N.S.P.)]

*Trogus apicalis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

*Trogus apicalis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *a*, Mass.]

*Tricyphus apicalis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 338. [key, des., Ill., Mich., Ohio, Pa., Vt., Va.]

SPHINGIDAE: *a*, *Sphinx kalmiae*.

**Tricyphus ater** Hopper

*Tricyphus ater* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 339. [key, o.d., Oakwood, Ill. (Ill. Nat. Hist. Surv.)]

**Tricyphus elegans elegans** (Cresson)

*Trogus elegans* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♀. [o.d., Me. (A.N.S.P.)]

*Trogus elegans* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 199. ♀. [key, des.]

*Trogus elegans* Morley, Rev. Ichneum. Brit. Mus., 1915, 3: 84. [key]

*Trogus elegans* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564. [N.J.]

*Trogus elegans* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]

*Tricyphus elegans elegans* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 337. [key, des., Conn., Ill., Me., Mass., N.Y., Ont., Que.]

**Tricyphus elegans vulpinus** Szépligeti

*Tricyphus vulpinus* Szépligeti, Termész. Füzet., 1900, 23: 288. ♀. [o.d., Jeannette, Pa. (Budapest Mus.)]

*Trogus vulpinus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 88. [key, des.]

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- Tricyphus elegans vulpinus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 338, 344.  
[key, des., host *a*, Ill., Kans., Md., Mass., N.J., N.Y., N.C., Ont., Pa., Va.]  
SPHINGIDAE: *a*, *Ampeloeca myron*.

### CONOCALAMA Hopper

#### Subgenus *Tmetogaster* Hopper

- Tmetogaster* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 321.  
Genotype: *Trogus nubilipennis* Haldeman.

#### **Conocalama** (*Tmetogaster*) **nubilipennis** (Haldeman)

- Trogus nubilipennis* Haldeman, Proc. Acad. Nat. Sci. Phila., 1846, 3: 127.  
[o.d., no locality given (location of type unknown; paratype in Geneva Mus.)]  
*Trogus nubilipennis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., W.Va.]  
*Trogus nubilipennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂, ♀.  
[key, des., Canada, Ga., Pa., Va.]  
*Trogus nubilipennis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
[N.J.]  
*Trogus nubilipennis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636.  
[host *c d*]  
*Trogus nubilipennis* Schulz, Zool. Annal., 1911, 4: 38. [description of Haldeman specimen in Geneva Mus.]  
*Trogus nubilipennis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]  
*Trogus nubilipennis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]  
*Trogus nubilipennis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *b*, Mass.]  
*Conocalama* (*Tmetogaster*) *nubilipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 321, 344, 345. [key, des., host *a b c d*, Ill., Md., N.J., N.Y., Ohio, Pa.]  
SPHINGIDAE: *a*, *Ampeloeca* sp.; *b*, *Sphecodina abbottii*. ARCTIIDAE: *c*, *Isia isabella*.  
PAPILIONIDAE: *d*, *Papilio ajax*.

#### Subgenus **Conocalama** Hopper

- Conocalama* Hopper, Trans. Amer. Ent. Soc., 1939, 63: 319.  
Genotype: *Trogus brullei* Cresson.

#### **Conocalama** (**Conocalama**) **brullei** (Cresson)

- Trogus Brullei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀ [key, o.d., Conn. (A.N.S.P.), Ga., Pa.]  
*Trogus Brullei* Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des., Que.]



- Automalus brullei* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
[host *a b*, N.J.]
- Trogus brullei* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [Que.]
- Trogus brullei* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key, des.]
- Trogus brullei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 56. [Que.]
- Trogus (Automalus) brullei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, Conn.]
- Trogus brullei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921.  
[N.Y.]
- Trogus brullei* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 97.  
[Mass.]
- Trogus brullei* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *c*, Mass.]
- Conocalama (Conocalama) brullei* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 322.  
[key, des., host *c*, Colo., Conn., Ga., Mass., N.Y., Pa., Tex.]
- SPHINGIDAE: *a*, *Dolba hylaeus*; *b*, *Paonias astylus*; *c*, *Paonias myops*.

**Conocalama (Conocalama) copei** var. **copei** (Cresson)

- Trogus copei* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♂. [o.d., W.Va. (A.N.S.P.)]
- Trogus copei* Provancher, Nat. Canad., 1874, 6: 335. ♂, ♀. [key, des., Que.]
- Trogus copei* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. [key, des.]
- Trogus canadensis* Provancher, Nat. Canad., 1877, 9: 2. ♀. [o.d., Que. (M.P.Q.)]
- Trogus canadensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♂, ♀. [key, syn., des.]
- Trogus canadensis* Provancher, Nat. Canad., 1879, 12: 35; (Faune, p. 303).  
[key, des.]
- Trogus copei* Provancher, Nat. Canad., 1882, 13: 329; (Faune, p. 768). [des., Que.] Evidently not *Trogus copei* of Cresson.
- Trogus Copei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Automalus canadensis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 564.  
[N.Y.]
- Trogus canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1913, 43: 134. [Que.]
- Trogus canadensis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]
- Trogus copei* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]
- Trogus copei* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus copei* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921.  
[N.Y.]
- Trogus canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
- Trogus canadensis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *a*, Mass.]
- Trogus copei* Brimley, Insects of N.C., 1938, p. 403. [N.C.]
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*Conocalama* (*Conocalama*) *copei* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 323, 344. [key, syn., des., host *a*, Alta., Canada, Ill., Mass., N.H., N.J., N.Y., Ont., Pa., Que., W.Va.]

SPHINGIDAE: *a*, *Paonias myops*.

***Conocalama* (*Conocalama*) *copei* var. *nigrocinctus* (Hasey)**

*Trogus nigrocinctus* Hasey, Ent. News, 1925, 36: 306. ♂. [o.d., N.Y. (Cornell Univ.)]

*Conocalama* (*Conocalama*) *copei* var. *nigrocinctus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 324. [key, des., host *a*]

SPHINGIDAE: *a*, *Paonias myops*.

***Conocalama* (*Conocalama*) *fuscalata* Hopper**

*Conocalama* (*Conocalama*) *fuscalata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 330. ♂, ♀. [key, o.d., Catskill Mts., N.Y. (A.N.S.P.), Pa.]

***Conocalama* (*Conocalama*) *galbinata* Hopper**

*Conocalama* (*Conocalama*) *galbinata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 328. ♂. [key, o.d., Dripping Spring, Organ Mts., N.M. (U.S.N.M.)]

***Conocalama* (*Conocalama*) *occidentalis bolteri* (Cresson)**

*Trogus bolteri* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 94. ♂. [o.d., Lake Superior (Bolter Collection)]

*Trogus quebecensis* Provancher, Nat. Canad., 1874, 6: 335. ♀. [key, o.d., Que. (M.P.Q.)]

*Trogus bolteri* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♂. [key, des.]

*Trogus quebecensis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♀. [key, des.]

*Trogus quebecensis* Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des.]

*Trogus bolteri* Slosson, Ent. News, 1902, 13: 5. [N.H.]

*Trogus bolteri* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

*Trogus quebecensis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

*Trogus quebecensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 160. [Ont.]

*Trogus* (*Automalus*) *quebecensis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 148, 172, 173. [fig., Minn.]

*Conocalama* (*Conocalama*) *occidentalis bolteri* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 324. [key, des., Alta., B.C., Me., Man., Mass., Mich., N.H., N.W. Terr., N.S., Ont.]

***Conocalama* (*Conocalama*) *occidentalis mellosa* (Cresson)**

*Trogus mellosus* Cresson, Rpt. Wheeler Expl. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. ♀ (not ♂). [o.d., N.M. (A.N.S.P.)]

*Trogus mellosus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♀. [key, des.]

*Trogus mellosus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

*Conocalama (Conocalama) occidentalis mellosa* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 326. [key, des., Colo., N.M.]

**Conocalama (Conocalama) occidentalis occidentalis** var. **luteata** Hopper

*Conocalama (Conocalama) occidentalis occidentalis* var. *luteata* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 326. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Alaska, B.C., Wash. Terr.]

**Conocalama (Conocalama) occidentalis occidentalis** var. **occidentalis** (Cresson)

*Trogus occidentalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 93. ♂. [o.d., Dakota Territory (A.N.S.P.)]

*Trogus occidentalis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 197. ♂. [key, des.]

*Trogus occidentalis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 83. [key]

*Conocalama (Conocalama) occidentalis occidentalis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 325. [key, des., Calif., Dakota Terr., Ore.]

**Conocalama (Conocalama) rileyi** (Cresson)

*Trogus rileyi* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 95. ♀. [o.d., Ill. (type lost)]

*Trogus rileyi* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 198. ♀. [key, des.]

*Amblyteles rileyi* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Trogus rileyi* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 84. [key]

*Trogus rileyi* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]

*Conocalama (Conocalama) rileyi* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 327. [key, des., Ill., Kans., Neb., S.D.]

**Conocalama (Conocalama) violipennis** Hopper

*Conocalama (Conocalama) violipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 327. ♂, ♀. [key, o.d., Calif. (A.N.S.P.)]

**MACROJOPPA** Kriechbaumer

*Macrojoppa* Kriechbaumer, Ent. Nachr., 1898, 24: 2, 21.

Genotype: *Trogus blandita* Cresson.

*Aglaojoppidea* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 368.

Genotype: *Trogus fascipennis* Cresson.

**Macrojoppa fascipennis** (Cresson)

*Trogus fascipennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. ♀. [key, o.d., Tex. (A.N.S.P.)]

*Trogus fascipennis* Dalla Torre, Cat. Hymen., 1902, 3: 1033. [emendation of *Trogus fascipennis* Cresson]

*Aglaojoppidea fascipennis* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 368. [syn.]

- Dinotomus faciipennis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 68. [key]  
*Macrojoppa fascipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 314. [syn., des.]

### TROGUS Panzer

*Trogus* Panzer, Krit. Rev., 1806, 2: 80.

Genotype: (*Ichneumon coerulator* Fabricius) = *lapidator* Fabricius var. *Dinotomus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 188.

Genotype: (*Ichneumon coerulator* Fabricius) = *lapidator* Fabricius var. *Psilomastax* Tischbein, Stettin. Ent. Ztg., 1868, 29: 255.

Genotype: (*Psilomastax pyramidalis* Tischbein) = *lapidator* var. *coerulator* Fabricius.

### *Trogus edwardsii* Cresson

*Trogus Edwardsii* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. ♂. [key, o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Trogus Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 356. [des.]

*Trogus Fletcherii* Harrington, Canad. Ent., 1894, 26: 245. ♂ (not ♀). [o.d., host b, Vancouver Is., B.C. (C.N.C.)]

*Trogus fletcheri* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host a, B.C.]

*Dinotomus fletcheri* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 65. [key, des.]

*Dinotomus edwardsi* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 67. [key]

*Trogus edwardsii* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 317. [key, syn., des., B.C., Ida., Wash.]

PAPILIONIDAE: a, *Papilio eurymedon*; b, *Papilio* sp.

### *Trogus flavipennis* Cresson

*Trogus flavipennis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 287. (♂). [o.d., Colo. (A.N.S.P.)]

*Trogus flavipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 264. [Colo.]

*Trogus flavipennis* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. [key, des.]

*Dinotomus flavipennis* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 68. [key, des.]

*Trogus flavipennis* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 316. [key, des., Colo., N.M., Ut.]

### *Trogus fulvipes* Cresson

*Trogus fulvipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 39. ♂. [o.d., Me. (A.N.S.P.)]

*Trogus obsidianator* Provancher, Nat. Canad., 1873, 6: 335. ♀. [key, des., Que.] Misdetermined.

*Trogus fulvipes* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 195. [key, syn., des., Me., N.H.]

- Trogus fulvipes* Provancher, Nat. Canad., 1879, 11: 13; (Faune, p. 302). [key, des.]
- Trogus apicatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 352. ♂. [o.d., Crawford Notch, N.H. (A.N.S.P.)]
- Trogus fulvipes* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host *a b*, B.C., Man.]
- Dinotomus fulvipes* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 64. [key]
- Dinotomus apicatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 64. [key, des.]
- Trogus fulvipes* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus fulvipes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 223. [B.C.]
- Trogus* (*Psilomastix* (!)) *fulvipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]
- Trogus fulvipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host *b*, Me., N.Y., R.I., Vt.]
- Trogus fulvipes* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 316. [key, des., host *b*, B.C., Colo., Me., Man., Mich., N.H., N.Y., Ont., Que., Sask.]
- PAPILIONIDAE: *a*, *Papilio eurymedon*; *b*, *Papilio glaucus*.

***Trogus pennator* (Fabricius) \***

- Ichneumon pennator* Fabricius, Ent. System., 1793, 2: 155. [o.d., Ga. (?type destroyed)]
- Trogus vulpinus* Gravenhorst, Ichneum. Europeae, 1829, 2: 389. ["?Genoa, Italy" (?Breslau Mus.)] New synonymy.
- Ichneumon* (*Trogus*) *pennator*? Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Trogus exesorius* Brullé, Hist. Nat. Insectes, Hymén., 1846, 4: 298. ♂, ♀. [o.d., Carolina, Philadelphia, Pa. (Paris Mus.)]
- Ichneumon asteriae* Jaeger, Life of N. Amer. Insects, 1859, p. 240. [o.d., fig., host *c*, (?N.J.) (location of type unknown, n. syn.)]
- Trogus exesorius* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 167. [des., host *c*, Mass.]
- Trogus exesorius* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern, Middle and Western States]
- Trogus exesorius* Provancher, Nat. Canad., 1874, 6: 335. [key, Que.]
- Trogus vulpinus* Kriechbaumer, Stettin. Ent. Ztg., 1875, 36: 39. [syn., des., N. America]
- Trogus exesorius* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. ♂, ♀. [key, des., Canada, Del., Ga., Ill., N.Y., Pa.]
- Ichneumon pennator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]
- Trogus exesorius* Provancher, Nat. Canad., 1879, 11: 34; (Faune, p. 303). [key, des.]
- Trogon* (!) *exesorius* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 21. [host *c f g i*, Mass., W. Va.]

\* Fabricius described another species as *Ichneumon pennator* on page 171 of the same book. This was renamed *Ichneumon pinnator* by Thunberg in 1822.

- Trogus exesorius* Mundt, Canad. Ent., 1883, 15: 89. [host *c*, Ill.]
- Trogus Exesorius* Clarkson, Canad. Ent., 1883, 15: 162. [biol., host *i*]
- Trogus exesorius* Weed, Psyche, 1888, 5: 52. [biol., host *c*, Ohio]
- Trogus exesorius* Riley and Howard, Insect Life, 1888, 1: 161. [host *c f g i*]
- Trogus exesorius* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1878. [key, fig., host *a c f g i*, Ill., Mich., Mo., W.Va.]
- Trogus exesorius* Riley and Howard, Insect Life, 1890, 3: 152. [host *c f*, D.C., Mo., N.Y., Tex.]
- Trogus exesorius* Smith, Rpt. N.J. Geologist, 1890, 2: 23. [N.J.]
- Trogus exesorius* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]
- Trogus exesorius* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *c i*, N.H.]
- Psilomastax vulpinus* Kriechbaumer, Ent. Nachr., 1898, 24: 27. [key, syn., host *c*]
- Trogus exesorius* Winn, Ann. Rpt. Ent. Soc. Ont., 1899, 29: 36. [host *d*]
- Psilomastax exesorius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 563. [N.J., N.Y.]
- Psilomastax vulpinus* Szépligeti, Termész. Füzet., 1900, 23: 288. [Pa.]
- Trogus exesorium* Howard, The Insect Book, 1902, plate 8, fig. 42.
- Psilomastax vulpinus* Berthoumieu, Genera Insectorum, 1904, 18: 15. [syn.]
- Trogus exesorius* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1909, 83: 23. [host *c*]
- Trogus vulpinus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 636. [N.J.]
- Macrojoppa californica* Cameron, Soc. Ent., 1911, 26: 35. [o.d., host *j*, Irukel Pass, Calif. (?British Mus.)]
- Dinotomus vulpinus* Strand, Arch. Naturges., 1912, 78, A, heft 6: 74. [host *i*, N.Y.]
- Dinotomus vulpinus* var. *nigrothorax* Strand, Arch. Naturges., 1912, 78, A, heft 6: 74. [o.d., host *c*, N.Y. (location of type unknown) New synonymy.]
- Dinotomus vulpinus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 65. [key, syn., host *c*, Fla., Mich., Mo., N.H., N.Y., Ont.]
- Trogus exesorius* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Trogus (Psilomastax) vulpinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 343. [key, fig., Conn.]
- Trogus (Psilomastix (!)) vulpinus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 147. [Me.]
- Trogus vulpinus* Viereck, Bull. N.Y. State Mus., 1928, 274: 190. [N.Y.]
- Psilomastax vulpinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 921. [N.Y.]
- Psilomastax vulpinus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 138. [biol., host ?*c f i*, Conn., Me., Mass., N.H., N.J., N.Y., R.I.]
- Psilomastax vulpinus* Brimley, Insects of N.C., 1938, p. 403. [N.C.]

*Trogus vulpinus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 318, 344, 345.  
[key, des., host *e h*, Ala., Calif., Conn., Del., D.C., Fla., Ga., Ill., Kans.,  
Md., Mass., Mo., Nev., N.H., N.J., N.Y., N.C., Ohio, Ont., Ore., Pa.,  
Wash., W.Va.]

*Trogus vulpinus* Beaulne, Canad. Ent., 1939, 71: 120. [host *b c*, Que.]

*Trogus vulpinus* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34.  
[fig., morphology]

NYMPHALIDAE: a, *Vanessa cardui*. PIERIDAE: b, *Pieris rapae*. PAPILIONIDAE: c,  
*Papilio ajax*; d, *Papilio brevicauda*; e, *Papilio eurymedon*; f, *Papilio glaucus*; g, *Papilio*  
*marcellus*; h, *Papilio rutulus*; i, *Papilio troilus*; j, *Papilio zelicaon*.

## Subfamily 5. LISSONOTINAE

### Tribe 1. GLYPTINI

#### GLYPTA Gravenhorst

*Glypta* Gravenhorst, Ichneum. Europeae, 1829, 3: 3.

Genotype: *Glypta sculpturata* Gravenhorst.

*Conoblasta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 165.

Genotype: *Pimpla ceratites* Gravenhorst.

*Diblastomorpha* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 165.

Genotype: *Glypta bicornis* Boie.

*Hemiephialtes* Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 177.

Genotype: *Hemiephialtes glyptus* Ashmead.

*Zaglyptomorpha* Viereck, Proc. U. S. Nat. Mus., 1913, 46: 385. New synonymy.

Genotype: *Zaglyptomorpha attenuata* Viereck.

#### *Glypta albiscutellaris* Walsh

*Glypta albiscutellaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 127. ♂.  
[o.d., (?Ill.) (type destroyed)]

#### *Glypta animosa* Cresson

*Glypta animosa* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♀. [key, o.d.,  
N.Y. (A.N.S.P.)]

*Glypta animosa* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 52.  
[biol., host *a*, N.Y.]

*Glypta animosa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317.  
[key]

*Glypta animosa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934.  
[N.Y.]

*Glypta animosa* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: a, *Polychrosis viteana*.

#### *Glypta aprilis* Viereck

*Glypta aprilis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 316. ♀. [o.d.,  
Douglas Co., Kans., 900 ft. (Univ. Kans.)]

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**Glypta areolata** Viereck

*Glypta areolata* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 88. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

**Glypta borealis** Cresson

*Glypta borealis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Canada (A.N.S.P.)]

*Glypta borealis* Provancher, Nat. Canad., 1873, 5: 472. ♂, ♀. [key, des., Que.]

*Glypta borealis* Provancher, Nat. Canad., 1880, 12: 67; (Faune, p. 471). [key, des.]

*Glypta borealis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

**Glypta brunneisigna** Viereck

*Glypta brunneisigna* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 316. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]

**Glypta californica** Provancher

*Glypta Californica* Provancher, Addit. Faune Canad. Hymén., 1886, p. 117. ♀. [o.d., Calif. (M.P.Q.)]

**Glypta canadensis** Cresson

*Glypta canadensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., Canada (A.N.S.P.)]

*Glypta Canadensis* Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]

*Glypta Canadensis* Provancher, Nat. Canad., 1880, 12: 67; (Faune, p. 471). [key, des.]

*Glypta canadensis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Glypta canadensis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Glypta canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

**Glypta caulicola** Cushman

*Glypta rufiscutellaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 126. ♂, ♀. [des., host *c*, (?Ill.) (specimens destroyed)] Misdetermined.

*Glypta animosa* Riley and Howard, Insect Life, 1891, 3: 463. [host *b c d*, D.C., Tex., Va.] Misdetermined.

*Glypta caulicola* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 9. ♂, ♀. [syn., des., host *a c*, Ohio, new name for *Glypta rufiscutellaris* as misdetermined by Walsh]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*. TORTRICIDAE: *b*, tortricid. OLETHREUTIDAE: *c*, *Epiblema scudderiana*. PYRALIDIDAE: *d*, pyralidid.



**Glypta dakota** Cresson

*Glypta Dakota* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♀. [key, o.d., Dakota (A.N.S.P.)]

**Glypta davisii** Dalla Torre

*Glypta longicauda* Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] Preoccupied by Hartig, 1838.

*Glypta davisii* Dalla Torre, Cat. Hymen., 1901, 3: 410. [new name for *Glypta longicauda* Davis]

**Glypta divaricata** Say

*Anomalon divaricatus* Say, Boston Jour. Nat. Hist., 1836, 1: 244; (Leconte Ed., 2: 699). [o.d., Fla. (type destroyed)]

*Glypta divaricata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. [syn.]

*Glypta divaricata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 170. [syn.]

*Glypta divaricata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 155. [syn., des.]

**Glypta diversipes** Walsh

*Glypta diversipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 125. ♀. [o.d., (?Ill.) (type destroyed)]

**Glypta egregiafovea** Viereck

*Glypta egregiafovea* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. ♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)]

**Glypta erratica** Cresson

*Glypta erratica* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 152. ♂, ♀. [key, o.d., W.Va. (A.N.S.P.), Del., N.Y., Pa.]

*Glypta erratica* Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]

*Glypta erratica* Provancher, Nat. Canad., 1880, 12: 66; (Faune, p. 470). [key, des.]

*Glypta erratica* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1885. [fig., host *b*, Mo.]

*Glypta erratica* Riley and Howard, Insect Life, 1891, 3: 463. [host *c*, Mo.]

*Glypta erratica* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

*Glypta erratica* Nason, Ent. News, 1905, 16: 171. [Ill.]

*Glypta erratica* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [N.S.]

*Glypta* (*Conoblata*) *erratica* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

*Glypta erratica* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Glypta erratica* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Glypta erratica* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

*Glypta erratica* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Glypta erratica* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *a*, Mass.]

*Glypta erratica* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

SATURNIIDAE: *a*, *Hemileuca lucina* or *maia*. NYMPHALIDAE: *b*, *Polygonia comma*. MISCELLANEOUS: *c*, lepidopterous stem borer in *Eupatorium* sp.

***Glypta evetriae* Cushman**

*Glypta evetriae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 469. ♂, ♀. [o.d., host *a*, Ashland, Ore. (U.S.N.M.), Mont.]

*Glypta evetriae* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

OLETHREUTIDAE: *a*, *Barbara colfaxiana taxifoliella*.

***Glypta exartemae* Walley**

*Glypta exartemae* Walley, Canad. Ent., 1934, 66: 235. ♂, ♀. [o.d., host *b*, St. Davids, Ont. (C.N.C.)]

*Glypta exartemae* Putman, Canad. Ent., 1935, 67: 107. [host *a*, Ont.]

OLETHREUTIDAE: *a*, *Exartema viburnana*; *b*, *Exartema* sp.

***Glypta fumiferanae* (Viereck)**

*Conoblasta fumiferanae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 148. ♂, ♀. [o.d., host *a*, Maniwaki, Que. (U.S.N.M.)]

*Conoblasta fumiferana* (!) Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [B.C.]

*Conoblasta fumiferanae* Balch, Jour. Econ. Ent., 1932, 25: 1147. [host *b*]

*Glypta fumiferanae* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 251. [fig. ♂ genitalia]

*Glypta fumiferanae* Bedard, Canad. Ent., 1938, 70: 195. [host *a*, Ida.]

*Glypta fumiferanae* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *a*, Canada]

TORTRICIDAE: *a*, *Archips fumiferana*. LYMANTRIIDAE: *b*, *Hemerocampa pseudo-tsugata*.

***Glypta idahoensis* Davis**

*Glypta idahoensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Ida. (A.N.S.P.)]

***Glypta impressa* Davis**

*Glypta impressa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂, ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

***Glypta infumata* Walley**

*Glypta infumata* Walley, Canad. Ent., 1934, 66: 236. ♀. [o.d., Nordegg, Alta. (C.N.C.)]

**Glypta inversa** Cresson

*Glypta inversa* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. ♀. [key, o.d., Mass. (A.N.S.P.)]

*Glypta inversa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

**Glypta kukakensis** Ashmead

*Glypta kukakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♀. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

**Glypta longiventris** Cresson

*Glypta longiventris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♂. [key, o.d., Ill. (A.N.S.P.)]

*Glypta longiventris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 128. ♂, ♀. [des.]

**Glypta macra** Cresson

*Glypta macra* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♀. [key, o.d., Canada (A.N.S.P.)]

*Glypta coloradensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Colo. (A.N.S.P.)]. New synonymy.

*Glypta ruficornis* Provancher, Nat. Canad., Dec. 1873, 5: 473. ♂. [key, o.d., Que. (M.P.Q.)] Preoccupied by Walsh, June? 1873.

*Glypta macra* Provancher, Nat. Canad., 1880, 12: 68; (Faune, p. 472). ♂, ♀. [key, syn., des.]

*Glypta macra* Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Calif.]

*Glypta macra* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [des., Calif.]

*Glypta macra* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Glypta macra* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

OLETHREUTIDAE: *a*, "*Paedisca*" sp.

**Glypta militaris** Cresson

*Glypta militaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♀. [key, o.d., Ill. (A.N.S.P.)]

*Glypta militaris* Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, Tex.]

*Glypta militaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

*Glypta militaris* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

OLETHREUTIDAE: *a*, *Proteoteras aesculana*.

**Glypta monita** Cresson

*Glypta monita* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 155. ♀. [key, o.d., W.Va. (A.N.S.P.)]

*Glypta monita* Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, D.C., Tex.]

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*Glypta monita* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

GELECHIIDAE: a, *Trichotaphe juncidella*.

***Glypta mutica* Cushman**

*Glypta mutica* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 540. ♂, ♀. [o.d., host a, North East, Pa. (U.S.N.M.)]

*Glypta mutica* Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host a, Mich.]

*Glypta mutica* Dozier and Butler, Jour. Econ. Ent., 1929, 22: 135. [host a, Del.]

*Glypta mutica* Dozier, Butler and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 41. [host a, Del.]

*Glypta muticus* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: a, *Polychrosis viteana*.

***Glypta nomene* Davis**

*Glypta nomene* Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♀. [o.d., Colo. (A.N.S.P.)]

***Glypta pedata* Desvignes**

*Glypta pedata* Desvignes, Cat. Ichneum. Brit. Mus., 1856, p. 74. [o.d., British Isles (British Mus.)]

*Glypta pedata* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [syn. (in part), Alaska, Hudson Bay]

Occurrence in the Nearctic Region needs confirmation.

***Glypta phoxopteridis* Weed**

*Glypta phoxopteridis* Weed, Ent. Amer., 1888, 4: 151. ♀. [o.d., host b, Anna, Ill. (Ill. Nat. Hist. Surv.)]

*Glypta leucozonata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 449. ♂. [o.d., host c, Kirkwood, Mo. (U.S.N.M.)] New synonymy.

*Ctenochira leucozonata* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Ctenochira leucozonata* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [Pa.]

*Glypta phoxopteridis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

*Ctenochira leucozonata* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Glypta phoxopteridis* Frost, Bull. Pa. Agr. Exp. Sta., 1926, 205: 13. [host a, Pa.]

*Glypta phoxopteridis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Glypta phoxopteridis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

*Glypta phoxopteridis* Haeussler, Jour. Agr. Res., 1930, 41: 366. [host d]

*Glypta phoxopteridis* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

TORTRICIDAE: a, *Amorbia humerosana*. OLETHREUTIDAE: b, *Ancyliis comptana*; c, *Grapholitha interstinctana*; d, *Grapholitha molesta*.

**Glypta popofensis** Ashmead

*Glypta popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 201. ♂, ♀.  
[o.d., Popof Is., Alaska (U.S.N.M.)]

**Glypta pulchripes** Cresson

*Glypta pulchripes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 135. ♀. [key,  
o.d., W.Va. (A.N.S.P.)]

*Glypta pulchripes* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Glypta pulchripes* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Glypta pulchripes* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Glypta pulchripes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934.  
[N.Y.]

**Glypta rubripes** Cresson

*Glypta rubripes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 156. ♂, ♀. [key,  
o.d., Canada (A.N.S.P.)]

*Glypta rubripes* Riley and Howard, Insect Life, 1891, 3: 463. [host *a*, Colo.,  
Mo.]

*Glypta rubripes* Brimley, Insects of N.C., 1938, p. 409. [N.C.]

OLETHREUTIDAE: *a*, *Exartema footianum*.

**Glypta ruficornis** Walsh

*Glypta ruficornis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 129. ♂. [o.d.,  
(?Ill.) (type destroyed)]

*Glypta ruficornis* Slosson, Ent. News, 1895, 6: 317. [N.H.]

**Glypta rufipleuralis** Walsh

*Glypta rufipleuralis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 125. ♂. [o.d.,  
(?Ill.) (type destroyed)]

*Glypta rufipleuralis* Nason, Ent. News, 1905, 16: 172. [Ill.]

**Glypta rufiscutellaris** Cresson

*Glypta rufiscutellaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 153. ♂, ♀.  
[key, o.d., Ill. (A.N.S.P.), Conn., N.J.]

*Glypta rufiscutellaris* Riley and Howard, Insect Life, 1891, 3: 464. [host *m*,  
Mo., Neb., Tex:]

*Glypta rufiscutellaris* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Glypta rufiscutellaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575.  
[N.J.]

*Glypta rufiscutellaris* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Glypta rufiscutellaris* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625.  
[host *m*]

*Glypta rufiscutellaris* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 114. [host *m*]

*Glypta brevis* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 510. ♀. [o.d., host  
*c*, W.Va. (U.S.N.M.)] New synonymy.

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- Glypta rufiscutellaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317.  
[key]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1926, 275: 281.  
[host *h*, Conn.]
- Glypta rufiscutellaris* Willits, Bull. Pa. Dept. Agr., 1926, 436: 67. [host *h*, Pa.]
- Glypta rufiscutellaris* Stearns, Cir. N.J. Agr. Exp. Sta., 1927, 208: 8. [biol.,  
host *h*, N.J.]
- Glypta rufiscutellaris* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191.  
[host *h*, N.J.]
- Glypta rufiscutellaris* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 5, 6, 18, 19,  
24. [biol., host *h*, Conn., Md., N.J., Ont., Pa.]
- Glypta rufiscutellaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
934. [host *h*, N.Y.]
- Glypta rufiscutellaris* McConnell, Bull. Md. Agr. Exp. Sta., 1928, 298: 180.  
[biol., host *h*, Md.]
- Glypta rufiscutellaris* Daniel, Cir. N.Y. Agr. Exp. Sta., 1928, 106: 7. [fig., host  
*h*, N.Y., Pa.]
- Glypta rufiscutellaris* Peterson, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 85. [biol.,  
host *h*]
- Glypta rufiscutellaris* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77.  
[host *h*, Ont.]
- Glypta rufiscutellaris* Daniel, Amer. Agr., 1929, 124: 361, 369. [fig., biol., host *h*,  
N.Y.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126.  
[biol., host *h*, Ont.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1929, 305: 734. [fig.,  
biol., host *h*, Conn.]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1929,  
431: 78. [host *h*, Ohio]
- Glypta* sp. Haeussler, Trans. Peninsula Hort. Soc., 1929, 18, no. 5: 85. [host  
*h*, N.J.]
- Glypta rufiscutellaris* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136.  
[host *f h*, Ind., N.J., Ohio, Pa.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1930, 313: 436, 441.  
[fig., biol., host *h*, Conn.]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930,  
446: 78, 79. [host *h*, Ohio]
- Glypta rufiscutellaris* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930,  
457: 17. [host *h*, Ohio]
- Glypta rufiscutellaris* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 7-13, 16-17.  
[biol., host *h*, N.J.]
- Glypta rufiscutellaris* Driggers, Jour. Econ. Ent., 1930, 23: 213. [host *h*, N.J.]
- Glypta rufiscutellaris* Haeussler, Jour. Agr. Res., 1930, 41: 368, 371, 372, 376.  
[fig., biol., host *h*, N.J.]

- Glypta rufiscutellaris* Daniel, Jour. Econ. Ent., 1930, 23: 215, 216. [host *h*, N.Y.]
- Glypta rufiscutellaris* Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1931, 51: 158-159. [biol., host *h*, N.J.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *h*, Ont.]
- Glypta rufiscutellaris* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 79. [host *h*, Tenn.]
- Glypta rufiscutellaris* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [parasite *a b*, N.J.]
- Glypta rufiscutellaris* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *h*, N.Y.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68, 69. [host *h*, Ont.]
- Glypta rufiscutellaris* Caesar & Ross, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 15. [host *h*, Ont.]
- Glypta rufiscutellaris* Allen, Jour. Econ. Ent., 1932, 25: 365. [host *h*, Ga.]
- Glypta rufiscutellaris* McConnell, Jour. Econ. Ent., 1932, 25: 368, 369. [host *f h*, Md.]
- Glypta rufiscutellaris* Crawford, Bull. N.Y. Agr. Exp. Sta., 1933, 217: 1-29. [fig., biol., host *f h*, N.Y.]
- Glypta rufiscutellaris* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 52. [host *h*, Ohio]
- Glypta rufiscutellaris* Merritt, Quart. Bull. Mich. Agr. Exp. Sta., 1933, 15: 225-226. [biol., host *f h*, Mich.]
- Glypta rufiscutellaris* Hutson, Ann. Rpt. State Hort. Soc. Mich., 1933, 62: 110. [host *f h*, Mich.]
- Glypta rufiscutellaris* Merritt, Midwest Fruitman, Aug.-Sept. 1933, p. 8. [biol., host *f h*, Mich.]
- Glypta rufiscutellaris* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *h*, Tenn.]
- Glypta rufiscutellaris* Merritt, Jour. Econ. Ent., 1933, 26: 788-792. [biol., host *h*, Mich.]
- Glypta rufiscutellaris* Montgomery, Canad. Ent., 1933, 65: 189-190. [biol., host *f*, Ind.]
- Glypta rufiscutellaris* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 594-596. [biol., host *f*, N.J.]
- Glypta rufiscutellaris* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1934, 47: 59. [host *h*, S.C.]
- Glypta rufiscutellaris* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 440, 441, 447. [fig., host *h*, Md.]
- Glypta rufiscutellaria* (!) McSparran, Bull. Pa. Dept. Agr., 1934, 526: 27. [host *h*, Pa.]
- Glypta rufiscutellaris* Gardner, Bienn. Rpt. Mich. Agr. Exp. Sta., 1934, p. 29. [host *h*, Mich.]

- Glypta rufiscutellaris* Putman, Canad. Ent., 1935, 67: 46-48. [biol., host a f h i j k, Ont.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 69-72. [biol., host h, Ont.]
- Glypta rufiscutellaris* Garman and Schread, Bull. Conn. Agr. Exp. Sta., 1935, 368: 234. [host h, Conn.]
- Glypta rufiscutellaris* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44. [host f, S.C.]
- Glypta rufiscutellaris* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 11-42. [fig., biol., host f h, Del.]
- Glypta rufiscutellaris* Putman, Canad. Ent., 1935, 67: 107, 108. [host f i j k, Ont.]
- Glypta rufiscutellaris* Montgomery, Jour. Econ. Ent., 1935, 28: 371-376. [biol.]
- Glypta rufiscutellaris* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1936, 66: 15-16. [biol., host h, Ont.]
- Glypta rufiscutellaris* Schoene, Va. Fruit, 1936, 24: 115. [fig. biol., host h, Va.]
- Glypta rufiscutellaris* Rice, Trans. Peninsula Hort. Soc., 1936, 25: 89-94. [biol. host f, Del.]
- Glypta rufiscutellaris* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27. [host b f h, Ohio]
- Glypta rufiscutellaris* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 248, 249, 251. [fig. ♂ genitalia]
- Glypta rufiscutellaris* Brimley, Insects of N.C., 1938, p. 409. [N.C.]
- Glypta rufiscutellaris* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 72. [biol., host h, Ont.]
- Glypta rufiscutellaris* Putman, Canad. Ent., 1938, 70: 89-90. [biol., host a d e f g l, Ont.]
- Glypta rufiscutellaris* Driggers, Proc. Ann. Meeting North Central States Ent., 1938, 17: 60. [biol., host h, N.J.]
- Glypta rufiscutellaris* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 224. [host h, Conn.]
- Glypta rufiscutellaris* Bobb, Jour. Econ. Ent., 1939, 32: 605-607. [host h, Va.]
- Glypta rufiscutellaris* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Glypta rufiscutellaris* Brunson, Jour. Econ. Ent., 1940, 33: 348. [host h, N.J.]
- Glypta rufiscutellaris* Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 12, 51. [biol., host f h, Ga., N.J., N.C., S.C., Va.]
- Glypta rufiscutellaris* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host h, Del.]\*
- Glypta rufiscutellaris* Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10, 11. [host h, Mo.]

TORTRICIDAE: a, *Argyrotoxa semipurpurana*. OLETHREUTIDAE: b, *Ancylis comptana*; c, *Carpocapsa pomonella*; d, *Epiblema obfuscana*; e, *Epiblema scudderiana*; f, *Epiblema strenuana*; g, *Epinotia laraicana*?; h, *Grapholitha molesta*; i, *Grapholitha packardii*; j, *Grapholitha pruniwora*; k, *Laspeyresia caryana*; l, *Melissopus latiferreanus*; m, *Proteoteras aesculana*. MISCELLANEOUS: n, lepidopterous leaf-tier on *Crataegus* sp.

PARASITES. CHALCIDIDAE: a, *Eupelmus* sp., b, *Eurytoma* sp.



**Glypta rufofasciata** Cresson

*Glypta rufofasciata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 158. ♂. [key, o.d., Ill. (A.N.S.P.)]

*Glypta rufofasciata* Provancher, Nat. Canad., 1873, 5: 473. ♀. [key, des., Que.]

*Glypta rufofasciata* Provancher, Nat. Canad., 1880, 12: 68; (Faune, p. 471). ♂, ♀. [key, des.]

*Glypta rufofasciata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]

*Glypta rufofasciata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [N.Y.]

*Glypta rufofaciata* (!) Putman, Canad. Ent., 1935, 67: 108. [host *a*, Ont.]

TORTRICIDAE: *a*, *Amelia clemensiana*.

**Glypta simplicipes** Cresson

*Glypta simplicipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 156. ♂, ♀. [key, o.d., Ill. (A.N.S.P.), Mass., N.Y.]

*Glypta simplicipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 123. ♀. [des.]

*Glypta simplicipes* Weed, Psyche, 1888, 5: 52. [host *m*, Ohio]

*Glypta simplicipes* Riley and Howard, Insect Life, 1891, 3: 463. [host *d g j*, Ia., Mo., Tex.]

*Glypta simplicipes* Cook, Ann. Rpt. Mich. Agr. Exp. Sta., 1891, 4: 140. ♂, ♀. [des., host *d*]

*Glypta aldrichii* Davis, Trans. Amer. Ent. Soc., 1898, 24: 370. ♂, ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

*Glypta simplicipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

*Glypta simplicipes* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Glypta flavolineata* Roman, Ent. Tidskr., 1910, 31: 162. [Ill., N.J.] Mis-determined.

*Glypta simplicipes* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [des.]

*Glypta simplicipes* Herrick and Leiby, Bull. Cornell Univ. Agr. Exp. Sta., 1915, 367: 260. [host *c*, N.Y.]

*Glypta simplicipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]

*Glypta simplicipes* Champlain, Psyche, 1922, 29: 97. [host *n*, Pa.]

*Glypta simplicipes* Regan, Bull. Univ. Mont. Agr. Exp. Sta., 1923, 154: 52. [host *c*, Mont.]

*Glypta (Glypta) rosaceanae* Viereck, Canad. Ent., 1926, 58: 55. ♂, ♀. [o.d., Vernon, B.C. (C.N.C.)] New synonymy.

*Glypta simplicipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *a d e f j k*, N.Y.]

*Glypta simplicipes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

*Glypta simplicipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Glypta simplicipes* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 92. [Ont.]

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- Glypta simplicipes* Knull, Jour. Econ. Ent., 1932, 25: 1201. [host *c*]  
*Glypta simplicipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 142. [biol., host *h i l*, Me., Mass., Vt.]  
*Glypta simplicipes* Putman, Canad. Ent., 1935, 67: 106. [host *b*, Ont.]  
*Glypta simplicipes* Knowlton and Allen, Jour. Econ. Ent., 1937, 30: 784. [host *d*, Ut.]  
*Glypta simplicipes* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

OLETHREUTIDAE: a, *Exartema footianum*; b, *Exartema inornatanum*. TORTRICIDAE: c, *Archips argyrospila*; d, *Archips rosaceana*; e, *Peronea minuta*; f, *Peronea minuta cinderella*; g, "Tortrix" leaf folder on *Ribes* sp. GEOMETRIDAE: h, *Ennomos subsignarius*. LASIOCAMPIDAE: i, *Malacosoma americanum*. NOTODONTIDAE: j, *Heterocampa bilineata*. PHALAEINIDAE: k, *Zotheca tranquilla*. SATURNIIDAE: l, *Hemileuca lucina* or *maia*. MISCELLANEOUS: m, lepidopterous leaf roller on *Malus pumila*; n, leaf tier on *Azalea* sp.

***Glypta succineipennis* Viereck**

- Glypta succineipennis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 315. ♀.  
[o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)]

***Glypta tricincta* Provancher**

- Glypta tricincta* Provancher, Nat. Canad., 1890, 19: 248. ♂, ♀. [o.d., Magdalen Is., Que. (M.P.Q.)]

***Glypta truncata* (Provancher)**

- Clistopyga truncata* Provancher, Nat. Canad., 1883, 14: 13; (Faune, p. 801).  
♀. [o.d., Chicoutimi, Que. (M.P.Q.)]  
*Clistopyga truncata* Davis, Ent. News, 1895, 6: 199. [key]  
*Glypta truncata* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]

***Glypta tuberculifrons* Cresson**

- Glypta tuberculifrons* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 152. ♂, ♀.  
[key, o.d., Ill. (A.N.S.P.)].  
*Glypta tuberculifrons* Provancher, Nat. Canad., 1873, 5: 472. [key, Que.]  
*Glypta tuberculifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 124. ♂, ♀.  
[des.]  
*Glypta tuberculifrons* Provancher, Nat. Canad., 1880, 12: 66. [key, des.]  
*Glypta pedata* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 117. [syn.] In part.

***Glypta varipes* Cresson**

- Glypta varipes* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]  
*Glypta varipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 151. [key]  
*Glypta varipes* Riley and Howard, Insect Life, 1891, 3: 463. [host *e*, Mo., Tex.]  
*Glypta varipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]  
*Glypta varipes* Slosson, Ent. News, 1902, 13: 5. [N.H.]  
*Glypta varipes* Nason, Ent. News, 1905, 16: 172. [Ill.]

- Glypta varipes* Cushman, Jour. Agr. Res., 1927, 34: 618. [biol. host *d.*]  
*Glypta varipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 138. [Me.]  
*Glypta varipes* Bourne and Whitcombe, Bull. Mass. Agr. Exp. Sta., 1927, 233: 63. [host *a*, Mass.]  
*Glypta varipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *c*, N.Y.]  
*Glypta varipes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Glypta varipes* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 77. [host *b*, Ont.]  
*Glypta varipes* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [host *b*, Ont.]  
*Glypta varipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]  
*Glypta veripes* (!) Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *b*, Ont.]

OLETHREUTIDAE: *a*, *Carpocapsa pomonella*; *b*, *Grapholitha molesta*; *c*, *Grapholitha prunivora*; *d*, *Rhyacionia frustrana*. PHYCITIDAE: *e*, "*Phycita*" sp.

### ***Glypta virginiensis* Cresson**

- Glypta virginiensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 157. ♀. [key, o.d., W.Va. (A.N.S.P.)]

### ***Glypta vulgaris* Cresson**

- Glypta vulgaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 154. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), Eastern and Middle States]  
*Glypta vulgaris* Weed, Psyche, 1888, 5: 52. [host *i*, Ohio]  
*Glypta vulgaris* Smith, Rpt. N.J. Geologist, 1890, 2: 31. [N.J.]  
*Glypta vulgaris* Riley and Howard, Insect Life, 1891, 3: 464. [host *a h*, D.C.]  
*Glypta vulgaris* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 39. [Ohio]  
*Glypta vulgaris* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Glypta vulgaris* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 53. [biol., host *f*, N.Y.]  
*Glypta vulgaris* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 625. [N.J.]  
*Glypta* (*Conoblasta*) *vulgaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 317. [key]  
*Glypta vulgaris* Wood and Selkregg, Jour. Agr. Res., 1918, 13: 70. [host *e*]  
*Glypta vulgaris* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *c*, Pa.]  
*Glypta vulgaris* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *c*, Va.]  
*Glypta vulgaris* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 6. [host *e*, Va.]  
*Glypta vulgaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 935. [host *b c d e g*, N.Y.]  
*Glypta vulgaris* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 102. [Mass.]

GELECHIIDAE: *a*, "*Gelechia*" sp.; *b*, *Trichotaphe juncidella*. TORTRICIDAE: *c*, *Argyrotaenia velutinana*. OLETHREUTIDAE: *d*, *Exartema punctanum*; *e*, *Grapholitha molesta*; *f*, *Polychrosis vileana*; *g*, *Zomaria interruptolineana*. PYRAUSTIDAE: *h*, *Diaphania quadristigmalis*; *i*, *Pyrausta subsequalis*.

**Glypta xanthogastra** Cameron

*Glypta xanthogastra* Cameron, Invertebrata Pacifica, 1903, 1: 128. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

**Glypta xanthognatha** Thomson

*Glypta xanthognatha* Thomson, Opusc. Ent., 1889, 1335. ♂, ♀. [o.d., host Skanör and Torekov, Sweden; Munich, Germany (?Lund Mus.)]

*Glypta xanthognatha* Roman, Ent. Tidskr., 1910, 31: 162. [N.J.]

Occurrence in the Nearctic Region needs confirmation.

## Subfamily 5. LISSONOTINAE

## Tribe 2. LISSONOTINI

**AMERISIBIA** Foerster

*Amersibia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: (*Meniscus* (*Amersibia*) *variipes* Szépligeti) = *piceator* Thunberg.

*Alloplasta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: (*Lissonota murina* Gravenhorst) = *piceator* Thunberg.

**Amersibia bullata** (Davis) new combination

*Lampronota bullata* Davis, Trans. Amer. Ent. Soc., 1895, 21: 30. ♀. [o.d., ?Seattle, Wash. (A.N.S.P.)]

**Amersibia superba** (Provancher) new combination

*Meniscus superbus* Provancher, Nat. Canad., 1874, 6: 30. ♀. [o.d., Que. (M.P.Q.)]

*Meniscus superbus* Provancher, Nat. Canad., 1880, 12: 78; (Faune, p. 482). [key, des.]

*Meniscus superbus* Davis, Canad. Ent., 1894, 26: 321. [key]

*Meniscus superbus* Slosson, Ent. News, 1895, 6: 5. [N.H.]

*Lissonota superba* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

*Meniscus superbus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key, fig., Conn.]

*Meniscus superbus* Bradley, Bull. Brooklyn Ent. Soc., 1918, 13: 104. [N.Y.]

*Meniscus superbus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]

*Meniscus superbus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

**ARENETRA** Holmgren

*Lasiops* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 68. Preoccupied by Meigen, 1838.

Genotype: *Tryphon pilosella* Gravenhorst.

*Arenetra* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 16: 127. [new name for *Lasiops* Holmgren]

***Arenetra canadensis* Cresson**

*Arenetra canadensis* Cresson, Canad. Ent., 1868, 1: 36. ♂. [o.d., London, Ont. (A.N.S.P.)]

*Arenetra canadensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. [key]

*Arenetra canadensis* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Arenetra canadensis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Alta.]

*Arenetra canadensis* Walley, Canad. Ent., 1931, 63: 170. [des.]

***Arenetra hirsutula* Walley**

*Arenetra hirsutula* Walley, Canad. Ent., 1931, 63: 169. ♂. [o.d., Saskatoon, Sask. (C.N.C.)]

***Arenetra leucotaenia* Viereck**

*Arenetra leucotaenia* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 318. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]

***Arenetra nigrita* Cresson**

*Arenetra nigrita* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♂, ♀. [key, o.d., Mass. (A.N.S.P.), Canada]

*Lampronota nigrita* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 122. ♂, ♀. [des.]

*Arenetra nigrita* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 123. [syn.]

*Arenetra nigrita* Provancher, Nat. Canad., 1883, 14: 15; (Faune, p. 802). ♂, ♀. [des., Que.]

*Arenetra nigrita* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Arenetra nigrita* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Arenetra nigrita* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 316. [key]

*Arenetra nigrita* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Arenetra nigrita* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Arenetra nigrita* Viereck, Bull. N.Y. State Mus., 1928, 274: 187. [N.Y.]

*Arenetra nigrita* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]

*Arenetra nigrita* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

***Arenetra occulta* Walley**

*Arenetra occulta* Walley, Canad. Ent., 1931, 63: 170. ♂. [o.d., Victoria, B.C. (C.N.C.)]

***Arenetra pallipes* Harrington**

*Arenetra pallipes* Harrington, Canad. Ent., 1894, 26: 250. ♂. [o.d., Victoria, B.C. (C.N.C.)]

*Arenetra pallipes* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

***Arenetra rufipes* Cresson**

*Arenetra rufipes* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 159. ♀. [key, o.d., Me. (A.N.S.P.)]

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*Exetastes niger* Provancher, Nat. Canad., 1874, 6: 78. [Que.] Misdetermined.

*Arenetra rufipes* Provancher, Nat. Canad., 1880, 12: 77; (Faune, p. 481). [key, syn., des.]

*Arenetra rufipes* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Arenetra rufipes* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

***Arenetra ventralis* Cresson**

*Arenetra ventralis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 160. ♂. [key, o.d., N.Y. (A.N.S.P.), Pa.]

*Arenetra ventralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 316. [key]

*Arenetra ventralis* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

***Arenetra vernalis* Walley**

*Arenetra vernalis* Walley, Canad. Ent., 1931, 63: 171. ♀. [o.d., Saskatoon, Sask. (C.N.C.) Ont., Que.]

**LAMPRONOTA** Curtis

*Lampronota* Curtis, Brit. Ent., 1832, 9: 407.

Genotype: *Ichneumon setosus* Fourcroy.

*Meniscus* Schiödte, Guérin's Mag. Zool., Ins., 1839, 9: 10.

Genotype: *Ichneumon setosus* Fourcroy. Designated by Holmgren, Svensk. Vet.-Akad. Forh., 1860, 2: 127.

*Bothynophrys* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166. New synonymy.

Genotype: *Ichneumon catenator* Panzer.

*Bathycetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Ichneumon catenator* Panzer.

*Stilbopoides* Rohwer, Proc. Ent. Soc. Wash. 1913, 15: 183. New synonymy.

Genotype: *Stilbopoides maculiventris* Rohwer.

***Lampronota bethunei* (Cresson) new combination**

*Meniscus bethunei* Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Credit, Ont. (A.N.S.P.)]

*Meniscus bethunei* Davis, Canad. Ent., 1894, 26: 321. [key]

*Meniscus? Johnsonii* Davis, Canad. Ent. 1894, 26: 323. ♀. [key, o.d., Jamesburg, N.J. (A.N.S.P.)] New synonymy.

*Meniscus bethunei* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

***Lampronota coloradensis* Cresson**

*Lampronota coloradensis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♀. [key, o.d., Colo. (A.N.S.P.)]

*Lissonota coloradensis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

*Lissonota coloradensis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Lampronota maculiventris** (Rohwer) new combination

*Stilbopoides maculiventris* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 183. ♂, ♀.  
[o.d., Missoula, Mont. (U.S.N.M.)]

**Lampronota pleuralis** Cresson

*Lampronota pleuralis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♂, ♀.  
[key, o.d., Pa. (A.N.S.P.), Canada, Del., Ill., Mass., N.Y., W.Va.]

*Lampronota occidentalis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♀.  
[key, o.d., Pa. (A.N.S.P.)] New synonymy.

*Lampronota insita* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♀. [key,  
o.d., N.J. (A.N.S.P.)] New synonymy.

*Lampronota pulchella* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♂.  
[key, o.d., N.J. (A.N.S.P.)] New synonymy.

*Lampronota pleuralis* Provancher, Nat. Canad., 1873, 5: 475. [key, Que.]

*Lampronota insita* Provancher, Nat. Canad., 1875, 7: 313. [Que.]

*Lampronota insita* Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 475).  
[key, des.]

*Lampronota pleuralis* Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476).  
[syn., des.] In part.

*Lampronota pleuralis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Lampronota pleuralis* Riley and Howard, Insect Life, 1891, 3: 464. [host *a*,  
Mo.]

*Lampronota occidentalis* Riley and Howard, Insect Life, 1891, 3: 464. [host *b*,  
Calif., Tex.]

*Lampronota pleuralis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

*Lampronota pleuralis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

*Lampronota occidentalis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629.  
[N.Y.]

*Lissonota cressoni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.  
[key, new name for *Lampronota occidentalis* Cresson]

*Lissonota (Alloplasta) insita* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 315. [key]

*Lissonota (Alloplasta) pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 315. [key]

*Lissonota (Alloplasta) pulchella* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 315. [key]

*Lissonota pleuralis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]

*Lampronota pleuralis* Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host *a*,  
Mo.]

*Lampronota pleuralis* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *a*,  
Pa.]

*Lissonota accidentalis* (!) Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139.  
[Me.]

*Lissonota pleuralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Lissonota insita* Brues, Psyche, 1927, 34: 80. [Mass.]

*Lissonota (Lissonota) cressonii* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Lissonota (Lissonota) pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Lissonota pleuralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Lissonota pleuralis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

*Lissonota cressoni* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

TORTRICIDAE: a, *Argyrotaenia velutinana*. MISCELLANEOUS: b, lepidopterous gall on *Baccharis pilularis*.

**Lampronota prionoxysti** (Rohwer) new combination

*Amersibia prionoxysti* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 224. ♂, ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

COSSIDAE: a, *Prionoxystus* sp.n *Castanea dentata*.

**Lampronota scutellaris** Cresson

*Lampronota scutellaris* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 161. ♀. [key, o.d., Ill. (A.N.S.P.), W.Va.]

*Lampronota scutellaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 116. ♀. [des.]

*Meniscus Crevieri* Provancher, Nat. Canad., 1874, 6: 29. ♀. [o.d., Que. (M.P.Q.)]

*Meniscus Crevieri* Provancher, Nat. Canad., 1875, 7: 239. [Que.]

*Meniscus scutellatus* (!) Provancher, Nat. Canad., 1880, 12: 78; (Faune, p. 482). [key, syn., des.]

*Meniscus scutellatus* (!) Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Meniscus scutellaris* Riley and Howard, Insect Life, 1891, 3: 464. [host b, Mo.]

*Meniscus scutellaris* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Meniscus scutellaris* Davis, Canad. Ent., 1894, 26: 321. [key]

*Meniscus scutellaris* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Bythycetes* (!) *scutellaris* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host a, Mass.]

*Meniscus scutellaris* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Bathycetes scutellaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 571. [N.J.]

*Bathycetes nidia* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 84. ♀. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Meniscus (Bathycetes) scutellaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key]

*Bathycetes scutellaris* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Meniscus scutellaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]



*Bathycetes scutellaris* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

AEGERIIDAE: a, *Conopia tipuliformis*. GELECHIIDAE: b, *Filatima pseudoacaciella*.

**Lampronota sesiahora** (Rohwer) new combination

*Stilbopoides sesiahora* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 184. ♂, ♀.  
[o.d., host a, Winchester, Va. (U.S.N.M.)]

*Stilbopoides sesiahora* Stearns, Bull. N.J. Agr. Exp. Sta., 1928, 460: 7. [host b, N.J.]

*Stilbopoides sesiahora* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.  
[host b, N.Y.]

AEGERIIDAE: a, *Conopia pyri*. OLETHREUTIDAE: b, *Grapholitha molesta*.

Genus **ASYMMICTUS** Foerster

*Asymmictus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: *Asymmictus iridescens* Davis.

**Asymmictus iridescens** Davis

*Asymmictus iridescens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂ (not ♀). [o.d., Nev. (A.N.S.P.)]

Genus **LISSONOTA** Gravenhorst

*Lissonota* Gravenhorst, Ichneum. Europeae, 1829, 3: 30.

Genotype: (*Lissonota sulphurifera* Gravenhorst) = *fundator* Thunberg.

*Stilbonota* Stephens, Illustr. Brit. Ent., 1835, 7: 126.

Genotype: (*Lissonota sulphurifera* Gravenhorst) = *fundator* Thunberg.

*Asynida* Gistel, Naturg. Thierr., 1848, p. IX. New name for *Lissonotus* (!) Gravenhorst.

*Echthrodoca* Schmiedeknecht, Zool. Jahrb., Syst., 1900, 13: 301, 303, 307, 326, 328. New synonymy.

Genotype: *Lissonota conflagrata* Gravenhorst.

**Lissonota brunnea** Cresson

*Lissonota brunnea* Cresson, Canad. Ent., 1868, 1: 37. ♀. [o.d., Ottawa, Ont. (A.N.S.P.)]

*Lampronota brunnea* Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

*Lampronota brunnea* Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 479).  
[key, des.]

*Lampronota brunnea* Riley and Howard, Insect Life, 1891, 3: 464. [host a]

*Nadia apalachia* Viereck, Canad. Ent., 1902, 34: 68. ♂. [o.d., Conn. (A.N.S.P.)] New synonymy.

*Lissonota* (*Nadia*) *appalachia* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314. [key]

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*Lissonota (Lissonota) brunnea* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Lissonota brunnea* Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1930, 125: 160. [biol., host *c*, Ia.]

*Lissonota brunnea* Decker, Res. Bull. Agr. Exp. Sta. Ia. State Col., 1931, 143: 345. [biol., host *d*, Ia.]

*Lissonota brunnea* Decker, Ia. State Col. Jour. Sci. 1935, 9: 572. [biol., host *b c d e*, Ia.]

ACRIDIDAE: *a*, ?*Melanoplus mexicanus* var. *spretis*. PHALAENIDAE: *b*, *Achatodes zeae*; *c*, *Luperina stipata*; *d*, *Papaipema nebris*; *e*, *Papaipema cataphracta*.

***Lissonota bibrevicineta* (Davis) new combination**

*Lampronota bibrevicineta* Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♀. [o.d., Agricultural College, Mich. (A.N.S.P.)]

***Lissonota laevigata* (Cresson)**

*Lampronota laevigata* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♀. [key, o.d., Canada (A.N.S.P.)]

*Lampronota laevigata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. ♀. [des., Que.]

*Lissonota (Lissonota) laevigata* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Lissonota (Lissonota) laevigata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Lissonota laevigata* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

***Lissonota montana* (Cresson)**

*Lampronota montana* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 267. ♀. [o.d., Colo. (A.N.S.P.)]

*Exetastes consimilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 278. ♂. [o.d., Colo. (A.N.S.P.)] New synonymy.

*Echthrodoxa clypearia* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. ♂. [o.d., Seldovia, Alaska (U.S.N.M.)] New synonymy.

*Harrimaniella ariel* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 85. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

*Lampronota montana* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Lissonota consimilis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. ♂. [syn.]

*Lissonota montana* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Lissonota occidentalis* (Viereck) new combination**

*Meniscus occidentalis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 83. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

**Lissonota ruficoxis** Schmiedeknecht

*Lissonota sulfurifera* var. *ruficoxis* Schmiedeknecht, Zool. Jahrb., Abt. Syst. Geogr. Biol. Thiere, 1900, 13: 360. [o.d., Northern and Central Europe (?Blankenburg Mus.)]

*Lissonota ruficoxis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. [des., Alaska]

Occurrence in the Nearctic Region needs confirmation.

**Lissonota rufipes** Cresson

*Lissonota rufipes* Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Grimsby, Ont. (A.N.S.P.)]

*Lampronota tegularis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♂. [key, o.d., Pa. (A.N.S.P.), Canada, Del., Ill.]

*Lampronota tegularis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 116. ♂. [des.]

*Lampronota rufipes* Provancher, Nat. Canad., 1873, 5: 476. [key, Que.]

*Arenetra Quebecensis* Provancher, Nat. Canad., 1875, 7: 141. ♂. [o.d., Que. (M.P.Q.)]

*Lampronota tegularis* Provancher, Nat. Canad., 1875, 7: 313. [Que.]

*Lampronota rufipes* Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 477). ♀. [key, des.]

*Lampronota tegularis* Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, syn., des.]

*Lampronota rufipes* Cresson, Synops. Hymen. N. Amer., 1887, p. 219. [syn.]

*Lampronota rufipes* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Lampronota rufipes* Riley and Howard, Insect Life, 1891, 3: 464. [host a, Calif., Mich., Mo., N.C., Tex., Va.]

*Lampronota rufipes* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 41. [host b, Ohio]

*Meniscus rufipes* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Lampronota provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 518. [new name for *Lampronota rufipes* Provancher (M.P.Q.)] New synonymy.

*Lissonota (Alloplasta) tegularis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]

*Lissonota rufipes* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Lissonota rufipes* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

*Lissonota rufipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Lissonota (Lissonota) rufipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

*Lissonota rufipes* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

TORTRICIDAE: a, tortricid leaf roller on *Solidago* sp. PHALAENIDAE: b, *Oligia fractilinea*.

**Lampronota varia** Cresson

- Lampronota varia* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♂. [key, o.d., Canada (A.N.S.P.), Conn., Mass., W.Va.]
- Lampronota americana* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., Ill. (A.N.S.P.), Canada, W.Va.] New synonymy.
- Lampronota amphimelaena* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 117. ♂. [o.d., (?Ill.) (type destroyed)]
- Lampronota varia* var. *amphimelaena* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 117. [syn.]
- Lampronota americana* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 121. ♀. [des.]
- Lampronota varia* Provancher, Nat. Canad., 1873, 5: 476. [key, Que.]
- Lampronota Americana* Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]
- Lampronota varia* Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, des.]
- Lampronota Americana* Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 479). [key, des.]
- Lampronota Americana* Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 802). ♂. [des.]
- Lampronota americana* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Lampronota americana* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Lampronota puritana* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 450. ♀. [o.d., Boscowen, N.H. (U.S.N.M.)] New synonymy.
- Lampronota americana* Gillette, Insect Life, 1891, 3: 259. [host b, Ia.]
- Lampronota varia* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Lampronota americana* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Sampronota* (!) *Americana* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Lampronota americana* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Lampronota varia* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Lampronota americana* Howard, The Insect Book, 1902, plate 10, fig. 3.
- Hammaniella* (!) *relativa* Viereck, Canad. Ent., 1902, 34: 67. ♂. [des., Mass., N.J.]
- Lampronota americana* Nason, Ent. News, 1905, 16: 172. [Ill.]
- Lampronota varia* Nason, Ent. News, 1905, 16: 172. [Ill.]
- Lampronota amphimelaena* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]
- Lampronota relativa* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [syn.]
- Lampronota americana* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Lampronota varia* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Lissonota* (*Alloplasta*) *americana* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]
- Lissonota* (*Alloplasta*) *varia* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key, Conn.]

- Lissonota (Harrimaniella) relativa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]
- Lissonota varia* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Lissonota americana* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]
- Lissonota (Lissonota) americana* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Lissonota (Lissonota) varia* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Lissonota americana* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]
- Lissonota varia* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Lissonota (Lissonota) americana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]
- Lissonota (Lissonota) varia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]
- Lissonota americana* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Lissonota varia* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Lissonota americana* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]
- Lissonota americana* Crumb, Tech. Bull. U. S. Dept. Agr. 1929, 88: 41. [host *a*]
- Lissonota americana* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Lissonota varia* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Lissonota americana* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 141. [biol., host *c*, Vt.]
- Lissonota americana* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Lissonota varia* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Lissonota varia* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Lissonota varia* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

PHALAEINIDAE: *a*, *Crymodes devastator*; *b*, cutworm; *c*, phalaenid.

### **Lampronota gelida** Cresson

- Lampronota gelida* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 377. ♂.  
[o.d., Lake Lahache, B.C. (A.N.S.P.)]
- Lampronota vivida* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♂.  
[o.d., Vancouver Is., B.C. (A.N.S.P.)] New synonymy.
- Lampronota Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀.  
[o.d., Vancouver Is., B.C. (A.N.S.P.)] New synonymy.
- Coleocentrus rufus* Taylor, Canad. Ent., 1884, 16: 92. [B.C.] Misdetermined.
- Lampronota Edwardsii* Harrington, Canad. Ent., 1897, 29: 46. [syn.]
- Echthrodoca gelida* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 199. [Alaska]
- Lissonota gelida* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

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**PIMPLOPTERUS** Ashmead

*Ensimus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.  
Preoccupied by Thomson, 1859.

Genotype: *Lissonota dubia* Holmgren.

*Pimplopterus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. New synonymy.

Genotype: (*Pimplopterus alaskensis* Ashmead) = *frigidus* Cresson.

**Pimplopterus acrobasis** (Ashmead) new combination

*Eusimus* (!) *acrobasis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 212. ♂.  
[o.d., host *a*, Paxton, Ohio (U.S.N.M.)]

*Lissonota acrobasis* Dalla Torre, Cat. Hymen, 1901, 3: 492. [syn.]

*Ensimus* (!) *acrobasis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
3, no. 2: 101. [Mass.]

PHYCITIDAE: *a*, *Mineola indiginella*.

**Pimplopterus aleutianus** (Cresson) new combination

*Mesoleius?* *aleutianus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♂.  
[o.d., Aleutian Is., Alaska (A.N.S.P.)]

*Lampronota aleutianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

*Mesoleius aleutianus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. [des.]

**Pimplopterus conocola** (Rohwer) new combination

*Lissonota conocola* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 222. ♂, ♀. [o.d.,  
host *a*, Mineral King, Calif. (U.S.N.M.)]

MISCELLANEOUS: *a*, insect in cones of *Abies shastensis*.

**Pimplopterus dakrumae** (Ashmead) new combination

*Meniscus dakrumae* Riley and Howard, Insect Life, 1891, 3: 464. [host *b*, Calif.]  
Nomen nudum.

*Meniscus dakrumae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 212. ♀.  
[o.d., host *c*, Alameda, Calif. (U.S.N.M.)]

*Lissonota dioryctriae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 221. ♀. [o.d.,  
host *a*, Patrick's Creek, Calif. (U.S.N.M.)] New synonymy.

PHYCITIDAE: *a*, *Dioryctria xanthaenobares*; *b*, *Laetilia coccidivora*?; *c*, *Laetilia* sp.

**Pimplopterus davis** new name

*Lampronota angusta* Davis, Trans. Amer. Ent. Soc., 1891, 17: 30. ♀. [o.d.,  
Agricultural College, Mich. (A.N.S.P.)] Preoccupied by the congeneric  
*Lissonota angusta* Taschenburg, 1863.

*Lissonota angusta* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

*Lissonota* (*Lissonota*) *angusta* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 933. [N.Y.]

**Pimplopterus electra** (Viereck) new combination

*Lissonota electra* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 83. ♀. [o.d.,  
Beulah, N.M. (A.N.S.P.)]

**Pimplopterus evetriae** (Rohwer) new combination

*Lissonota evetriae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 220. ♂, ♀. [o.d., host *a*, Cheyenne, Mountains, Colo. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Barbara colfaxiana taxifoliella*.

**Pimplopterus exiguus** (Cresson) new combination

*Lampronota exigua* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., W.Va. (A.N.S.P.)]

*Lampronota exigua* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

**Pimplopterus fenellus** (Viereck) new combination

*Lissonota fenella* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 82. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

*Harrimaniella minor* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 86. ♂. [o.d., Beulah, N.M. (A.N.S.P.)] New synonymy.

**Pimplopterus frigidus** (Cresson) new combination

*Lissonota frigida* Cresson, Canad. Ent., 1868, 1: 36. ♀. [o.d., Ont. (A.N.S.P.)]

*Lampronota exilis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♂, ♀. [key, o.d., Canada (A.N.S.P.), Conn., Mass.] New synonymy.

*Lampronota frigida* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 118. ♂. [des.]

*Lampronota imitatrix* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 121. ♀. [o.d., (?Ill.) (type destroyed)] New synonymy.

*Lampronota frigida* Provancher, Nat. Canad., 1873, 5: 477. [key, des., Que.]

*Lampronota exilis* Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

*Lampronota frigida* Provancher, Nat. Canad., 1880, 12: 74; (Faune, p. 478). [key, des.]

*Lampronota exilis* Provancher, Nat. Canad., 1880, 12: 77; (Faune, p. 480). [key, des.]

*Lampronota frigida* Lintner, Ann. Rpt. Noxious Insects N.Y., 1882, 1: 145. [fig., host *a*]

*Lampronota frigida* Provancher, Nat. Canad., 1887, 16: 24, 34. [Que.]

*Lampronota frigida* Riley and Howard, Insect Life, 1891, 3: 464. [host *a*, Ind., N.Y.]

*Lampronota frigida* Riley and Marlatt, Insect Life, 1891, 3: 177. [host *b*]

*Lampronota frigida* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Pimplopterus alaskensis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. (♀). [o.d., (Kodiak, Alaska) (U.S.N.M.)] New synonymy.

*Lissonota alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Pimplopterus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 198. ♀. [des., fig., Alaska]

*Harrimaniella paeneimitatrix* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 317. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

- Lampronota exilis* Nason, Ent. News, 1905, 16: 172. [Ill.]  
*Harrimaniella paeneimitatrix* Viereck, Trans. Kans. Acad. Sci., 1906, 32: 183. [Kans.]  
*Harrimaniella paeneimitatrix* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]  
*Lissonota exilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314. [key]  
*Lissonota frigida* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key, Conn.]  
*Lissonota frigida* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]  
*Lampronota frigida* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]  
*Lissonota exilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 139. [Me.]  
*Lissonota frigida* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [host c, Me.]  
*Lissonota (Lissonota) exilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]  
*Lissonota (Lissonota) frigida* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [host a, N.Y.]  
*Lissonota frigida* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]  
*Lissonota frigida* Brown, Canad. Ent., 1934, 66: 262. [Ont.]  
*Lissonota frigida* Brimley, Insects of N.C., 1938, p. 408. [N.C.]  
*Lampronota frigida* Miller, Trans. Kans. Acad. Sci., 1940, 43: 271. [biol., host a, Kans.]  
*Lissonota alaskensis* Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [des.]  
*Lissonota sakala* Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [new name for *Lissonota alaskensis* Ashmead, 1902]

CRAMBIDAE: a, *Crambus vulgivagellus*. TENTHREDINIDAE: b, *Nematus marylandicus*; c, *Nematus* sp.

***Pimplopterus hilaris* (Cresson) new combination**

*Lampronota hilaris* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♀. [o.d., Wilmington, Calif. (A.N.S.P.)]

***Pimplopterus inconstans* (Cushman) new combination**

*Lissonota inconstans* Cushman, Proc. Ent. Soc. Wash., 1940, 42: 157. ♂, ♀. [o.d., host a, Santa Barbara, Calif. (U.S.N.M.)]

OLETHREUTIDAE: a, *Melissopus latiferreanus*.

***Pimplopterus interpellatus* (Walsh) new combination**

*Lampronota interpellata* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 118. ♂. [o.d. (type destroyed)]



**Pimplopterus jacobii** (Walley) new combination

*Asphragis jacobii* Walley, Canad. Ent., 1942, 74: 234. ♂, ♀. [o.d., Canim Lake, B.C. (C.N.C.)]

**Pimplopterus macer** (Cresson) new combination

*Lampronota macra* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♂. [key, o.d., Del. (A.N.S.P.)]

**Pimplopterus marginatus** (Provancher) new combination

*Lampronota marginata* Provancher, Nat. Canad., 1873, 5: 474. ♀. [key, o.d., Que. (M.P.Q.)]

*Lampronota marginata* Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 476). [key, des.]

*Lampronota marginata* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1908, 38: 128. [host a, Que.]

*Lissonota marginata* Hughes, Ent. News, 1934, 45: 121. [biol.]

GELECHIIDAE: a, *Trichotaphe levisella*.

**Pimplopterus nigricornis** (Provancher) new combination

*Lampronota nigricornis* Provancher, Nat. Canad., 1873, 5: 476. ♀. [key, o.d., Que. (M.P.Q.)]

*Lampronota nigricornis* Provancher, Nat. Canad., 1880, 12: 73; (Faune, p. 477). [key, des.]

*Lampronota nigricornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 117. ♂. [des.]

**Pimplopterus nigripes** (Provancher) new combination

*Lampronota nigripes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 118. ♀. [o.d., Ottawa, Ont. (type lost)]

*Lissonota nigripes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

**Pimplopterus palloratus** (Davis) new combination

*Lampronota pallorana* Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♀. [o.d., Philadelphia, Pa. (A.N.S.P.)]

*Lissonota pallorana* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]

*Lissonota pallorana* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

**Pimplopterus parallelus** (Gravenhorst) new combination

*Lissonota parallela* Gravenhorst, Ichneum. Europeae, 1829, 3: 79. ♂, ♀. [o.d., numerous localities in Germany (?Breslau Mus.)]

*Lissonota parallela* Eidmann, Arb. Morph. Tax. Ent., 1935, 2: 102. [Labrador]

**Pimplopterus parvus** (Cresson) new combination

*Lampronota parva* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♀. [key, o.d., Del. (A.N.S.P.), Canada, W.Va.]

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- Lampronota parva* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 166. [Tex.]  
*Lampronota parva* Provancher, Nat. Canad., 1873, 5: 475. ♂, ♀. [key, des., Que.]  
*Lampronota parva* Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476). [key, des.]  
*Lampronota parva* Riley and Howard, Insect Life, 1891, 3: 464. [host b, Mo.]  
*Lampronota parva* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]  
*Meniscus parva* Davis, Canad. Ent., 1894, 26: 321. [key]  
*Lampronota parva* Slosson, Ent. News, 1895, 6: 317. [N.H.]  
*Lampronota parva* Evans, Canad. Ent., 1896, 28: 11. [Ont.]  
*Lampronota parva* Nason, Ent. News, 1905, 16: 172. [Ill.]  
*Lampronota parva* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Lissonota* (*Lissonota*) *parva* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]  
*Lissonota parva* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]  
*Lissonota* (*Lissonota*) *parva* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]  
*Lissonota parva* Viereck, Bull. N.Y. State Mus., 1928, 274: 186. [N.Y.]  
*Lissonota parva* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 404. [host a, Me.]

MISCELLANEOUS: a, blackish-gray leaf roller on *Populus* sp.; b, lepidopterous leaf roller on *Rosa* sp.

***Pimplopterus penurius* (Davis) new combination**

- Aperileptus penuria* Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♂. [o.d., Canada (A.N.S.P.)]

***Pimplopterus punctulatus* (Cresson) new combination**

- Lampronota punctulata* (as *punctata* in key) Cresson, Trans. Amer. Ent. Soc., 1870, 3: 163. ♀. [key, o.d., Mass. (A.N.S.P.), Canada, Conn., W.Va.]  
*Lampronota scutellaris* Provancher, Nat. Canad., 1873, 5: 474. [key, Que.]  
 Misdetermined.  
*Lampronota albifacies* Provancher, Nat. Canad., 1873, 5: 475. ♂. [key, o.d., Que. (M.P.Q.)]  
*Lampronota punctulata* Provancher, Nat. Canad., 1873, 5: 476. ♂, ♀. [key, syn., des., Que.]  
*Bassus areolatus* Provancher, Nat. Canad., 1874, 6: 31, 58. ♀. [key, o.d., Que. (type lost)]  
*Lampronota punctulata* Provancher, Nat. Canad., 1880, 12: 71; (Faune, p. 475). [key, syn., des.]  
*Lampronota pleuralis* Provancher, Nat. Canad., 1880, 12: 72; (Faune, p. 476). [key, syn. (in part), des.]  
*Lampronota punctulata* Provancher, Nat. Canad., 1889, 19: 248. [Que.]  
*Lampronota punctulata* Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]  
*Lampronota punctulata* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Lampronota punctata* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [syn.]  
In part.

*Lampronota punctulata* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Lissonota punctulata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.  
[key]

*Lissonota punctata* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

*Lissonota punctata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.  
[Me.]

*Lissonota (Lissonota) punctata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 933. [N.Y.]

*Lissonota punctata* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

**Pimplopterus recurvariae** (Cushman) new combination

*Lissonota recurvariae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 552. ♂, ♀.  
[o.d., host *a*, Bristol, Me. (U.S.N.M.)]

GELECHIIDAE: *a*, *Recurvaria piceaella*.

**Pimplopterus rubricus** (Cresson) new combination

*Lampronota rubrica* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♀. [key,  
o.d., W.Va. (A.N.S.P.), Conn., Mass.]

*Lampronota rubrica* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 122. ♀. [des.]

*Lampronota humeralis* Provancher, Nat. Canad., 1873, 5: 476. ♂ (not ♀).  
[key, o.d., Que. (M.P.Q.)] New synonymy.

*Lampronota rubrica* Provancher, Nat. Canad., 1873, 5: 477. [key, Que.]

*Lampronota rubrica* Provancher, Nat. Canad., 1875, 7: 239. [Que.]

*Lampronota humeralis* Provancher, Nat. Canad., 1880, 12: 75; (Faune, p. 479).  
[key, des.]

*Lampronota rubrica* Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 480).  
[key, des.]

*Lampronota humeralis* Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 802).  
♀. [des.]

*Lampronota rubrica* Smith, Rpt. N.J. Geologist, 1890, 2: 32. [N.J.]

*Lampronota rubrica* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 629. [N.J.]

*Lissonota rubrica* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.  
[key, Conn.]

*Lissonota philipi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 314.  
(♂). [key, o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)] New  
synonymy.

*Lissonota philipi* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Lissonota rubrica* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]

*Lissonota (Lissonota) philipi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 933. [N.Y.]

*Lissonota (Lissonota) humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 933. [N.Y.]

*Lissonota (Lissonota) rubrica* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

*Lissonota rubrica* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 152. [Ia.]

**Pimplopterus segnis** (Cresson) new combination

*Lampronota segnis* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 378. ♂. [o.d., Vancouver Is., B.C. (A.N.S.P.)]

**Pimplopterus sexcinctus** (Ashmead) new combination

*Pimpla sexcincta* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. ♂. [o.d., Cusack Ranch, Colo. (U.S.N.M.)]

**Pimplopterus tropicus** (Davis) new combination

*Aperileptus tropicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♂. [o.d., Southern Calif. (A.N.S.P.)]

**Pimplopterus yakutatensis** Ashmead

*Pimplopterus yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 197. ♀. [o.d., Yakutat, Alaska (U.S.N.M.)]

**TREVORIA** Ashmead

*Trevoria* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 50.

Genotype: *Trevoria yukatatensis* Ashmead.

**Trevoria yukatatensis** Ashmead

*Trevoria yukatatensis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 50. (♂). [o.d., (Yakutat, Alaska) (U.S.N.M.)]

*Trevoria yakutatensis* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 196. ♂. [des., fig., Alaska]

*Trevoria yakutatensis* (!) Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287. [syn. des.]

**CRYPTOPIMPLA** Taschenberg

*Cryptopimpla* Taschenberg, Ztschr. Gesammt. Naturw., 1863, 21: 249, 292.

Genotype: *Phytodietus blandus* Gravenhorst.

*Aphanodon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Phytodietus errabundus* Gravenhorst.

*Sibiriakoffia* Holmgren, Nov. Spec. Ins., 1880, p. 13.

Genotype: *Sibiriakoffia arctica* Holmgren.

*Xenocornia* Schmiedeknecht, Zool. Jahrb., Syst., 1900, 13: 301, 305, 308, 334.

New synonymy.

Genotype: *Xenocornia solitaria* Schmiedeknecht.

*Harrimaniella* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. New synonymy.

Genotype: *Harrimaniella yukakensis* Ashmead.

**Cryptopimpla jocosa** (Cresson) new combination

*Lampronota? jocosa* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 162. ♂. [key, o.d., Ill. (A.N.S.P.)]

*Lampronota agilis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 164. ♀. [key, o.d., Pa. (A.N.S.P.), N.Y.] New synonymy.

*Lampronota jocosa* Provancher, Nat. Canad., 1880, 12: 71; (Faune, p. 475). [key, des., Que.]

*Lampronota agilis* Provancher, Nat. Canad., 1880, 12: 76; (Faune, p. 480). [key, des.]

*Lampronota jocosa* Provancher, Nat. Canad., 1883, 14: 14; (Faune, p. 801). ♀. [des.] Evidently not *Lampronota jocosa* Cresson.

*Mesoleptus angustus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 96. ♂, ♀. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Tryphon fractus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. ♂. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Polyblastus decoratus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. ♂ (not ♀). [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Polyblastus inornatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 108. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Lampronota fractus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Lampronota? decoratus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Lampronota inornatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]

*Lampronota jocosa* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Mesoleptus angustus* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Mesoleptus angustus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Lampronota fractus* Nason, Ent. News, 1905, 16: 172. [Ill.]

*Lissonota agilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 315. [key]

*Lissonota jocosa* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

*Lissonota (Lissonota) jocosa* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Meniscus agilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Lissonota (Lissonota) jocosa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 933. [N.Y.]

*Aphanodon agilis* Walley, Canad. Ent., 1934, 66: 238. [syn.]

**Cryptopimpla obscurella** (Cresson) new combination

*Phytodietus obscurellus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀. [o.d., Calif. (A.N.S.P.)]

*Lissonota obscurella* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]

*Aphanodon luctuosus* Walley, Canad. Ent., 1934, 66: 237. ♂, ♀. [o.d., Mt. Lyall, Gaspé Co., Que. (C.N.C.)] New synonymy.

**Cryptopimpla yukakensis** (Ashmead) new combination

*Harrimaniella yukakensis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 52. (♂).  
[o.d., (Kukak Bay, Alaska) (U.S.N.M.)]

*Harrimaniella kukakensis* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 198.  
♂. [des., fig., Kukak Bay, Alaska]

*Lissonota kukakensis* (!) Cushman, Proc. U. S. Nat. Mus., 1942, 92: 287.  
[syn.]

**ASPHRAGIS** Foerster

*Asphragis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 166.

Genotype: *Lissonota occupator* Gravenhorst.

**Asphragis michiganensis** (Davis) new combination

*Meniscus Michiganensis* Davis, Canad. Ent., 1894, 26: 323. ♀. [key, o.d.,  
Agricultural College, Mich. (location of type unknown)]

*Syzeuctus michiganensis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391.  
[syn.]

**Asphragis mirabilis** (Cresson)

*Meniscus mirabilis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 166. ♀. [o.d.,  
Mass. (A.N.S.P.)]

*Clistopyga pleuralis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 448. ♂. [o.d.,  
host a, Kirkwood, Mo. (U.S.N.M.)]

*Meniscus ostentator* Davis, Canad. Ent., 1894, 26: 321. ♂, ♀. [key, o.d.,  
Agricultural College, Mich. (A.N.S.P.)]

*Meniscus mirabilis* Davis, Canad. Ent., 1894, 26: 321. [key]

*Clistopyga pleuralis* Davis, Ent. News, 1895, 6: 199. [key]

*Asphragis pulcherrimus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 155. [host  
b, N.H.]

*Asphragis pulcherrimus* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 170. ♂, ♀.  
[o.d., host c, Canobie Lake, N.H. (U.S.N.M.)]

*Lissonota pulcherrima* Schmiedeknecht, Genera Insectorum, 1907, 62: 92.  
[syn.]

*Meniscus (Asphragis) mirabilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv.,  
1917, 22: 313. [key]

*Asphragis pleuralis* Cushman, Proc. U. S. Nat. Mus., 1921, 60, art. 4: 14. [syn.]

*Asphragis mirabilis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Lissonota (Asphragis) mirabilis* Bradley, Bull. Lloyd Libr., 1926, 27: 169.  
[N.Y.]

*Asphragis mirabilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140.  
[Me.]

*Lissonota (Asphragis) mirabilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 934. [N.Y.]

*Lissonota (Asphragis) mirabilis* Johnson, Pub. Nantucket Maria Mitchell Ass.,  
1930, 3, no. 2: 101. [Mass.]

*Meniscus mirabilis* Kaston, Bull. Conn. Agr. Exp. Sta., 1937, 396: 360. [Conn.]  
*Lissonota mirabilis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

GELECHIIDAE: a, ?*Recurvaria robiniella*. TORTRICIDAE: b, tortricid on *Myrica asplenifolia*; c, tortricid.

**Asphragis subflavus** (Davis) new combination

*Meniscus subflavus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂, ♀.  
 [o.d., Tex. (A.N.S.P.)]

**SYZEUCTUS** Foerster

*Diceratops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

New synonymy.

Genotype: *Pimpla bicornis* Gravenhorst.

*Syzeuctus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Ichneumon maculatorius* Fabricius.

*Syzeucta* Thomson, Opusc. Ent., 1889, 13: 1415. New synonymy.

Genotype: (*Syzeucta maculatoria* Gravenhorst) = *Ichneumon maculatorius* Fabricius. By present designation.

?*Meyva* Cameron, Mem. Manchester Lit. Philos. Soc., 1899, 43: 191. New synonymy.

Genotype: *Meyva villosa* Cameron.

*Ephialtina* Szépligeti, Sjostedt's Kilimandjaro-Meru Exped., 1908, 8: 74.

Genotype: *Ephialtina apicalis* Szépligeti.

**Syzeuctus comptus** (Davis) new combination

*Meniscus comptus* Davis, Canad. Ent., 1894, 26: 322. ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

**Syzeuctus elegans** (Cresson)

*Meniscus elegans* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 165. ♂, ♀. [o.d., W.Va. (A.N.S.P.), Md., Mo., N.Y.]

*Meniscus elegans* Provancher, Nat. Canad., 1880, 12: 79; (Faune, p. 482). [key, des., Que.]

*Meniscus elegans* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Meniscus elegans* Riley and Howard, Insect Life, 1891, 3: 464. [host a c, Ill., S.C.]

*Meniscus elegans* Davis, Canad. Ent., 1894, 26: 321. [key]

*Meniscus slossonae* Davis, Canad. Ent., 1894, 26: 322. ♀. [key o.d., top of Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

*Meniscus elegans* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Meniscus elegans* Slosson, Ent. News, 1895, 6: 5. [N.H.]

*Meniscus elegans* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 313. [key, Conn.]

*Meniscus elegans* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Syzeuctus elegans* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 391. [syn.]

*Syzeuctus elegans* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]

*Syzeuctus elegans* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 404. [host *b*, Me.]

*Syzeuctus elegans* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

TORTRICIDAE: *a*, tortricid on *Populus* sp. NOTODONTIDAE: *b*, *Ichthyura* sp. PHALAENIDAE: *c*, phalaenid.

***Syzeuctus epischniae* Cushman**

*Syzeuctus epischniae* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 9. ♂, ♀. [o.d., host *a*, Crows Landing, Calif., (U.S.N.M.)]

PHYCITIDAE: *a*, *Epischnia granitella*.

***Syzeuctus eximius* Walley**

*Syzeuctus eximius* Walley, Canad. Ent., 1934, 66: 238. ♂, ♀. [o.d., Aweme, Man. (C.N.C.), Colo., Nev.]

***Syzeuctus sigmoidalis* Cushman**

*Syzeuctus sigmoidalis* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 8. ♂, ♀. [o.d., Godbout, Que. (U.S.N.M.)]

Subfamily 5. LISSONOTINAE

Tribe 3. BANCHINI

**EXETASTES** Gravenhorst

*Exetastes* Gravenhorst, Ichneum. Europeae, 1829, 3: 395.

Genotype: *Ichneumon fornicator* Fabricius.

*Leptobatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 432.

Genotype: *Leptobatus zieglerei* Gravenhorst.

*Rhimphalea* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: (*Rhimphalea brevicorpa* Davis) = *bioculatus* Cresson.

*Allexetastes* Kokujev, Rev. Russ. Ent., 1904, 4: 106.

Genotype: *Exetastes* (*Allexetastes*) *komarovi* Kokujev.

?*Tegona* Morley, Fauna Brit. India, 1913, Hymen., 3: 251. New synonymy.

Genotype: *Tegona rufipes* Morley.

*Pseudexetastes* Meyer, Konowia, 1927, 6: 308.

Genotype: *Pseudexetastes diakonivi* Meyer.

*Tetractenion* Seyrig, Mém. Acad. Malagache, 1932, 11: 167. New synonymy.

Genotype: *Tetractenion acaule* Seyrig.

***Exetastes abdominalis* Cresson**

*Exetastes abdominalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 276. ♀. [o.d., Colo. (A.N.S.P.)]



*Exetastes abdominalis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 283. ♀.  
[key, des., fig., Colo.]

**Exetastes affinis** Cresson

*Exetastes affinis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♀. [o.d., Colo.  
(A.N.S.P.)]

*Exetastes affinis* Provancher, Nat. Canad., 1875, 7: 114. [des., Que.]

*Exetastes affinis* Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 385).  
[key, des.] According to Cushman, 1937, Provancher's description does not  
apply to this species.

*Exetastes affinis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♀. [key,  
des., fig., Colo., Mich., Ore.]

**Exetastes albitarsis** Provancher

*Exetastes albitarsis* Provancher, Nat. Canad., 1874, 6: 78. ♀. [o.d., Que.  
(M.P.Q.)]

*Exetastes albitarsis* Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 385).  
[key, des.]

*Exetastes albitarsis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
932. [N.Y.]

*Exetastes rugosus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 280. ♂, ♀.  
[key, des., fig., Man., Mass., N.H., N.Y., Que., new name for *Exetastes*  
*albitarsis* Provancher]

**Exetastes alternatipes** Cushman

*Exetastes alternatipes* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 299. ♀.  
[key, o.d., Bernadillo Co., N.M. (U.S.N.M.)]

**Exetastes alticola** Cushman

*Exetastes alticola* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 284. ♂, ♀. [key,  
o.d., 12,000 ft., Silverton, Colo. (U.S.N.M.), B.C.]

**Exetastes angustoralis** Cushman

*Exetastes fascipennis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]  
Misdetermined.

*Exetastes fascipennis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 147. ♀.  
[des.] Misdetermined.

*Exetastes fascipennis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92.  
♀. [des., Ont.] Misdetermined.

*Exetastes fascipennis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.  
[N.J., N.Y.] Misdetermined.

*Exetastes fascipennis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274.  
[key] Misdetermined.

*Exetastes fascipennis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
932. [N.Y.] Misdetermined.

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*Exetastes fascipennis* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂ genitalia] Misdetermined.

*Exetastes angustoralis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 291. ♂, ♀. [key, o.d., fig., Falls Church, Va. (U.S.N.M.), Conn., D.C., Ill., Kans., Md., Mass., Neb., N.J., N.Y., N.C., Ont., Pa., Que., S.D., Vt., Va., Wyo.]

*Exetastes angustoralis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

*Exetastes fascipennis* Brimley, Insects of N.C., 1938, p. 408. [N.C.] Misdetermined.

***Exetastes angustus* Cushman**

*Exetastes angustus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 290. ♀. [key, o.d., 5000-6000 ft., Norquay Mt. Meadows, Banff, Alta. (U.S.N.M.)]

***Exetastes anthracinus* Cushman**

*Exetastes anthracinus* Cushman, Proc. U.S. Nat. Mus., 1937, 84: 305. ♂, ♀. [key, o.d., Nantucket, Mass. (U.S.N.M.)]

***Exetastes bifenestratus* Cushman**

*Ichneumon bifasciatus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 72; (Leconte, Ed. 1: 377). ♀. [o.d., Ind. (type destroyed)] Preoccupied by Fourcroy, 1785.

*Ichneumon bifasciatus* Say, Boston Jour. Nat. Hist., 1836, 1: 234; (Leconte Ed., 2: 691). [des.]

*Ichneumon bifasciatus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 209. [des.]

*Exetastes bifasciatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 163. [des., D.C., Ga., Fla., Tex.]

*Exetastes bifenestratus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 274. ♂, ♀. [key, des., fig., host *a b*, Ala., D.C., Ga., Fla., Mexico, Tex., new name for *Ichneumon bifasciatus* Say]

PHALAENIDAE: *a*, *Agrotis malefida*; *b*, *Agrotis* sp.

***Exetastes bioculatus* Cresson**

*Exetastes bioculatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Rhimphalea brevicorpa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 274. ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

*Exetastes bioculatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 261. ♂, ♀. [key, syn., des., fig., D.C., Kans., Ky., Tex., Va.]

***Exetastes bituminosus* Cushman**

*Exetastes rufofemoratus* Riley and Howard, Insect Life, 1890, 3: 158. [host *a*, D.C.] Misdetermined.

*Exetastes bituminosus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 300. ♂, ♀. [key, syn., o.d., fig., host *a*, Vienna, Va. (U.S.N.M.), Ill., Ind., Md., Mass., Mich., N.J., N.Y., Ohio, Pa., S.C.]

*Exetastes bituminosus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

PHALAENIDAE: a, *Abagrotis alternata*.

**Exetastes brevicornis** Cushman

*Exetastes brevicornis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 273. ♂, ♀.  
[key, o.d., Calgary, Alta. (U.S.N.M.)]

**Exetastes buccatus** Cushman

*Exetastes buccatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 271. ♂, ♀.  
[key, o.d., San Juan Valley, 25 miles N.E. of Paso Robles, Calif. (U.S.N.M.), Colo.]

**Exetastes caeruleus** Cresson

*Exetastes caeruleus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 276. ♀. [o.d., Colo. (A.N.S.P.)]

*Exetastes caeruleus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 284. ♂, ♀.  
[key, des., Alaska, Colo.]

**Exetastes caliginosus** (Walley) new combination

*Arenetra caliginosa* Walley, Canad. Ent., 1931, 63: 168. ♂. [o.d., Dundurn, Sask. (C.N.C.)]

**Exetastes callipterus** Cushman

*Exetastes callipterus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 277. ♀. [key, o.d., Douglas, Ariz. (U.S.N.M.)]

**Exetastes carinatifrons** Cushman

*Exetastes carinatifrons* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 255. ♀.  
[key, o.d., fig., Sabino, Ariz. (U.S.N.M.), N.M., Tex.]

**Exetastes carinatus** Cushman

*Exetastes carinatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 258. ♀. [key, o.d., Dimmit Co., Tex. (U.S.N.M.)]

**Exetastes coloradensis** Cushman

*Exetastes coloradensis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♀.  
[key, o.d., Colo. (U.S.N.M.)]

**Exetastes concavus** Cushman

*Exetastes concavus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 281. ♂, ♀.  
[key, o.d., Grant, Park Co., Colo. (U.S.N.M.)]

**Exetastes concoloripes** Cushman

*Exetastes concoloripes* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 298. ♂, ♀.  
[key, o.d., Colo. (U.S.N.M.), Alta., Ore.]

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**Exetastes convergens** Cushman

*Exetastes convergens* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 291. ♀.  
[key, o.d., Colo. (U.S.N.M.), Wyo.]

**Exetastes corvinus** Cushman

*Exetastes corvinus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 303. ♀. [key,  
o.d., Vya., Washoe Co., Nev. (Cornell Univ.)]

**Exetastes crassisculptus** Cushman

*Exetastes crassisculptus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 278. ♂, ♀.  
[key, o.d., fig., Vancouver, B.C. (U.S.N.M.), Alaska, Ore., Wash.]

**Exetastes deuteromaurus** Dalla Torre

*Exetastes maurus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀. [o.d.,  
Calif. (A.N.S.P.)] Preoccupied by Desvignes, 1856.

*Exetastes deuteromaurus* Dalla Torre, Cat. Hymen., 1901, 3: 71. [new name for  
*Exetastes maurus* Cresson]

*Exetastes deuteromaurus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 299. ♀.  
[key, des.]

**Exetastes dichrous** Cushman

*Exetastes dichrous* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 302. ♀. [key,  
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

**Exetastes dilutipes** Cushman

*Exetastes dilutipes* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 285. ♂, ♀.  
[key, o.d., fig., Banff, Alta. (U.S.N.M.), Wyo.]

**Exetastes erythrogaster** Cushman

*Exetastes erythrogaster* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 297. ♂, ♀.  
[key, o.d., Corvallis, Ore. (U.S.N.M.), B.C.]

**Exetastes fascipennis** Cresson

*Exetastes flavitarsis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♂. [o.d.,  
Colo. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.

*Exetastes fascipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 278. ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Exetastes cressonii* Dalla Torre, Cat. Hymen., 1901, 3: 70. [new name for  
*Exetastes flavitarsis* Cresson]

*Exetastes fascipennis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 294. ♂, ♀.  
[key, syn., des.]

**Exetastes flavipennis** Cresson

*Exetastes flavipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 275. ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Exetastes flavipennis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 303. ♀.  
[key, des., Colo., Ida., Mexico]

***Exetastes flavus* Cushman**

*Exetastes flavus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 265. ♀. [key,  
o.d., fig., Bernadillo Co., N.M. (U.S.N.M.), Colo.]

***Exetastes geminus* Cushman**

*Exetastes geminus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 306. ♀. [key,  
o.d., Swannanoa, N.C. (U.S.N.M.), Ga., S.C.]

*Exetastes geminus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

***Exetastes igneipennis* Cushman**

*Exetastes igneipennis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 270. ♂, ♀.  
[key, o.d., fig., 8000 ft., south fork of Eagle Creek, White Mts., N.M.  
(U.S.N.M.), Colo., Mexico]

***Exetastes illinoiensis* (Walsh)**

*Leptobatus illinoiensis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 148. ♀.  
[o.d. (?Ill.) (type destroyed)]

*Exetastes illinoiensis* Cresson, Synops. Hymen. N. Amer., 1887, p. 206. [syn.]

*Exetastes illinoiensis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 264. ♂, ♀.  
[key, des., fig., host *a*, Colo., Mich.]

PHALAEINIDAE: *a*, cutworms.

***Exetastes infumetricus* Cushman**

*Exetastes infumetricus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 283. ♀.  
[key, o.d., Rochester, Wash. (Univ. Kans.)]

***Exetastes lasius* Cushman**

*Exetastes lasius* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 258. ♂, ♀. [key,  
o.d., fig., host *a*, Derby, Kans. (U.S.N.M.), Neb.]

PHALAEINIDAE: *a*, *Chorizagrotis auxiliaris*.

***Exetastes matricus* Provancher**

*Exetastes matricus* Provancher, Nat. Canad., 1879, 11: 213; (Faune, p. 385).  
♀. [key, o.d., Que. (M.P.Q.)]

*Exetastes matricus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.  
2: 101. [Mass.]

*Exetastes matricus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 281. ♂, ♀.  
[key, des., fig., Mass., Que.]

*Exetastes matricus* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246. [fig. ♂  
genitalia]

*Exetastes matricus* Pratt, Ann. Ent. Soc. Amer., 1939, 32: 731. [fig. ♂ genitalia]

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**Exetastes nervulus** var. **exploratus** Davis

*Exetastes exploratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀.  
[o.d., S.D. (A.N.S.P.), Mich.]

*Exetastes nervulus* var. *exploratus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, des., B.C., Ill., N.H., N.D., Wis.]

**Exetastes nervulus** var. **intermedius** Cushman

*Exetastes nervulus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159.  
[Me., Mass.] Misdetermined.

*Exetastes nervulus* var. *intermedius* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 310. ♂, ♀. [key, o.d., Southwest Harbor, Mt. Desert, Me. (U.S.N.M.), Conn., Mass., N.Y., Ont., Que., Vt.]

**Exetastes nervulus** var. **nervulus** (Say)

*Banchus nervulus* Say, Boston Jour. Nat. Hist., 1836, 1: 246; (Leconte Ed., 2: 700). [o.d., Ind. (type destroyed)]

*Exetastes nervulus* var. *nervulus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 310. ♂, ♀. [key, des., Conn., N.Y., N.C.]

**Exetastes nervulus** var. **niger** Cresson

*Exetastes niger* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 275. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

*Arenetra rufipes* Dalla Torre, Cat. Hymen., 1901, 3: 513. [syn.] In part.

*Exetastes niger* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 148. [des., Tex.]

*Exetastes nervulus* var. *niger* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, des., Alta., Colo., N.M., N.D., Wyo.]

**Exetastes nervulus** var. **rufofemoratus** Provancher

*Exetastes rufofemoratus* Provancher, Nat. Canad., 1877, 9: 14. (♀). [o.d., Que. (M.P.Q.)]

*Exetastes rufofemoratus* Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 380). ♀. [key, o.d., Que. (type presumably the same as 1877)]

*Exetastes rufofemoratus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Exetastes rufofemoratus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 148. [N.B.]

*Exetastes rufofemoratus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Exetastes nervulus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.] Misdetermined.

*Exetastes rufofemoratus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Exetastes nervulus* var. *rufofemoratus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 311. ♂, ♀. [key, syn., des., Ill., Me., Mass., N.B., N.Y., N.S., Ont., Que., Vt.]

**Exetastes nigribasis** Cushman

*Exetastes nigribasis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 289. ♂, ♀.  
[key, o.d., Harney Peak, S.D. (U.S.N.M.), Alta.]

**Exetastes obscurus** Cresson

*Exetastes decoloratus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 280. ♂. [o.d., Colo. (A.N.S.P.)]

*Exetastes obscurus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 281. ♀. [o.d., Colo. (A.N.S.P.)]

*Exetastes fascipennis* Howard, The Insect Book, 1902, plate 10, fig. 7. Misdetermined.

*Exetastes obscurus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 147. [des., U.S.]

*Exetastes obscurus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Exetastes obscurus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 276. ♂, ♀.  
[key, syn., des., fig., Man., Mass., Ohio, Ore., S.C.]

**Exetastes ornatus** Cushman

*Exetastes ornatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 286. ♂, ♀.  
[key, o.d., fig., Flint, Ohio (U.S.N.M.), Conn., N.J., Pa.]

**Exetastes pallidus** Cushman

*Exetastes pallidus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 266. ♀. [key, o.d., Buffalo, S.D. (U.S.N.M.), Colo.]

**Exetastes pectinatus** Cushman

*Exetastes pectinatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 272. ♀. [key, o.d., fig., Sugar Loaf, Colo. (U.S.N.M.), Alta., Mont., S.D.]

**Exetastes persimilis** Cushman

*Exetastes persimilis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 306. ♂, ♀.  
[key, o.d., fig., Boulder, Colo. (U.S.N.M.), Ariz., N.M., S.D.]

**Exetastes pictus** Cushman

*Exetastes pictus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 260. ♀. [key, o.d., Devils River, Tex. (U.S.N.M.)]

**Exetastes pilosus** Cushman

*Exetastes pilosus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 364. ♂, ♀.  
[o.d., Corvallis, Ore. (U.S.N.M.)]

**Exetastes propinquus** Cushman

*Exetastes scutellaris* Howard, The Insect Book, 1902, plate 9, fig. 17. Misdetermined.

*Exetastes propinquus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.] Nomen nudum.

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*Exetastes propinquus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 267. ♂, ♀.  
[key, o.d., fig., Washington, D.C. (U.S.N.M.), Fla., Md., N.J., N.C., Pa.,  
Tenn., Tex., S.C., Va.]

*Exetastes propinquus* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

***Exetastes ridens* Cushman**

*Exetastes ridens* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 262. ♂, ♀.  
[key, o.d., fig., Vernon, B.C. (U.S.N.M.), Ida., Ut., Wash.]

***Exetastes ruficoxalis* Cushman**

*Exetastes ruficoxalis* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 294. ♂, ♀.  
[key, o.d., fig., Colo. (U.S.N.M.), Alta., B.C., Ida., Ut., Wash.]

***Exetastes rufipes* Cresson**

*Exetastes rufipes* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 277. ♀. [o.d., Colo.  
(A.N.S.P.)]

*Exetastes purpureus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 285. ♀. [key,  
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

*Exetastes rufipes* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 286. ♂, ♀.  
[key, des., Colo., Wash.]

*Exetastes rufipes* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 364. [syn., des.,  
Ore.]

***Exetastes rufobalteatus* Cushman**

*Exetastes rufobalteatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 290. ♂, ♀.  
[key, o.d., 4800 ft., Glacier Park Station, Mont. (U.S.N.M.), Alta., B.C.,  
Ont., S.D.]

***Exetastes scutellaris* Cresson**

*Exetastes scutellaris* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 279. ♂, ♀.  
[o.d., Colo. (A.N.S.P.)]

*Exetastes scutellaris* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]

*Banchus caudatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 121.  
♀. [o.d., Anaheim, Calif. (M.P.Q.)] New synonymy.

*Exetastes caudatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Exetastes scutellaris* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.  
[Pa.]

*Exetastes scutellaris* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618.  
[N.J., Pa.]

*Exetastes scutellaris* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 147. [des.,  
Tex.]

*Exetastes scutellaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274.  
[key]

*Exetastes scutellaris* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 269. ♂, ♀.  
[key, des., Alta., Colo., N.M., Ut.]

*Exetastes caudatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 312. [des.]



**Exetastes setpum** Cushman

*Exetastes septum* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 257. ♂, ♀. [key, o.d., fig., host *a b*, Los Angeles Co., Calif. (U.S.N.M.), Ore.]

OLETHREUTIDAE: *a*, ?*Carpocapsa pomonella*. PHALAEINIDAE: *b*, *Catabena lineolata*.

**Exetastes suaveolens** Walsh

*Exetastes suaveolens* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 146. ♂, ♀. [o.d., (?Ill.) (type destroyed)]

*Paniscus quebecensis* Provancher, Nat. Canad., 1874, 6: 106. ♂, ♀. [key, o.d., Que. (type lost)]

*Exetastes suaveolens* Provancher, Nat. Canad., 1879, 11: 212; (Faune, p. 384). [key, syn., des.]

*Exetastes suaveolens* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

*Exetastes suaveolens* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

*Exetastes suaveolens* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Exetastes suaveolens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274. [key]

*Exetastes suaveolens* Gahan, Proc. U. S. Nat. Mus., 1919, 55: 114. [syn.] In part.

*Exetastes suaveolens* Cushman, Proc. U. S. Nat. Mus., 1924, 64: 43. [syn.]

*Exetastes suaveolens* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]

*Exetastes suaveolens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Exetastes suaveolens* Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

*Exetastes suaveolens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 932. [N.Y.]

*Exetastes suaveolens* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 307. ♂, ♀. [key, syn., des., fig., host *a*, Me., Man., Md., Mass., Mich., N.B., N.H., N.Y., Ohio, Ont., Pa., Que., Va.]

*Exetastes suaveolens* Townes, Lloydia, 1938, 1: 222. [syn.]

*Exetastes suaveolens* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

PHALAEINIDAE: *a*, *Cucullia asteroides*.

**Exetastes subimpressus** Cushman

*Exetastes subimpressus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 288. ♂, ♀. [key, o.d., 6300 ft., Beaver Creek, Mont. (Univ. Kans.), Alta.]

**Exetastes zelotypus** Cresson

*Exetastes zelotypus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♂, ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

*Exetastes zelotypus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 296. ♂, ♀. [key, des., fig., Calif.]

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**AGATHILLA** Westwood

*Agathilla* Westwood, Tijdschr. Ent., 1882, 25: 23.

Genotype: *Agathilla fulvopicta* Westwood.

*Agathobanchus* of authors, not of the genotype.

**Agathilla bradleyi** (Viereck)

*Agathobanchus aequatus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 97. [key]  
Misdetermined.

*Agathobanchus aequatus* Bradley, Ent. News, 1903, 14: 144. ♂, ♀. [des.,  
fig., N.J.] Misdetermined.

*Agathobanchus bradleyi* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 303. [des.,  
Riverton, N.J. (Cornell Univ.), new name for *Agathobanchus aequatus* as  
misdetermined by Bradley]

*Agathobanchus* (!) *aequatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p.  
618. [N.J.]

*Agathilla aequatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 141. [syn.]

*Agathilla bradleyi* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159.  
[syn.]

**CERATOGASTRA** Ashmead

*Ceratosoma* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 281. Preoccupied by  
Adams and Reeve, 1850.

Genotype: (*Ceratosoma fasciata* Cresson) = *ornata* Say.

*Ceratogastra* Ashmead, Canad. Ent. 1900, 32: 368. New name for *Ceratosoma*  
Cresson.

**Ceratogastra apicalis** (Cresson)

*Ceratosoma apicalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 282. ♂, ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Ceratosoma apicalis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 102. ♂, ♀.  
[des.]

*Ceratogaster* (!) *apicalis* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]

*Ceratosoma apicalis* Howard, The Insect Book, 1902, plate 10, fig. 22.

*Ceratosoma apicalis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Ceratogastra apicalis* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.  
[key]

**Ceratogastra ornata** (Say)

*Agathis ornata* Say, Boston Jour. Nat. Hist., 1836, 1: 226; (Leconte Ed., 2: 684).  
♂. [o.d., Ind. (type destroyed)]

*Ceratosoma fasciata* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 283. ♀. [o.d.,  
Del. (A.N.S.P.), Eastern and Middle States]

- Ceratosoma fasciata* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 103. ♂, ♀.  
[des.]
- Ceratosoma fasciata* Ashmead, Ann. Rpt. N.J. Bd. Agr. 1900, 27, suppl.: 583.  
[N.Y.]
- Ceratogaster* (!) *fasciata* Dalla Torre, Cat. Hymen., 1901, p. 62. [syn.]
- Ceratosoma fasciata* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Ceratogastra fasciata* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618.  
[N.J.]
- Ceratogaster* (!) *apicalis* var. *fasciatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 142. [key, syn., des., N.Y.]
- Ceratogastra fasciata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273.  
[des., Conn.]
- Ceratogastra ornata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.  
[syn.] In part.
- Ceratogastra ornata* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.  
[key]
- Ceratogastra ornata* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]
- Ceratogastra ornata* Brimley, Insects of N.C., 1938, p. 417. [N.C.]
- Ceratogastra ornata* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

#### ***Ceratogastra polita* (Say)**

- Agathis polita* Say, Boston Jour. Nat. Hist., 1836, 1: 225; (Leconte Ed., 2: 684).  
♂, ♀. [Ind. (type destroyed)]
- Ceratogastra polita* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.  
[des.]
- Ceratogastra polita* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.  
[key]

#### ***Ceratogastra rubyata* (Davis)**

- Ceratosoma rubyata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♀. [o.d.,  
Northern Ill. (A.N.S.P.)]
- Ceratogaster* (!) *rubyata* Dalla Torre, Cat. Hymen., 1901, 3: 62. [syn.]
- Ceratosoma rubyata* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Ceratogaster* (!) *rubyatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 142.  
[key]
- Ceratogastra ornata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.  
[syn.] In part.

#### ***Ceratogastra trifasciata* Cushman**

- Ceratogastra trifasciata* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 21.  
♀. [key, o.d., Forest Hills, Mass. (U.S.N.M.)]

**BANCHUS** Fabricius

*Banchus* Fabricius Ent. Syst., 1798, suppl., p. 209, 233.

Genotype: *Banchus pictus* Fabricius.

*Corynephanus* Wesmael, Bull. Soc. Roy. Belg., 1849, 16, pt. 1: 631.

Genotype: *Banchus monileatus* Gravenhorst.

*Cidaphurus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Banchus* (*Cidaphurus*) *volutatorius* Linnaeus.

*Nawaia* Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 184.

Genotype: *Nawaia japonica* Ashmead.

**Banchus alticolus** (Ashmead) new combination

*Cidaphurus alticola* Ashmead, Psyche, 1901, 9: 148. ♂. [o.d., Las Vegas

Range between Pecos and Sapello rivers, 11000 ft., N.M. (U.S.N.M.)]

**Banchus borealis** Cresson

*Banchus borealis* Cresson, Canad. Ent., 1868, 1: 33. ♀ (not ♂). [o.d., Ont. (A.N.S.P.)]

*Banchus borealis* Provancher, Nat. Canad., 1874, 6: 61. [key, des., Que.]

*Banchus borealis* Provancher, Nat. Canad., 1879, 11: 216; (Faune, p. 389).

♂, ♀. [key, des.]

*Banchus borealis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Banchus borealis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Banchus borealis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

**Banchus canadensis** Cresson

*Banchus canadensis* Cresson, Canad. Ent., 1868, 1: 34. ♂, ♀. [o.d., Ont. (A.N.S.P.)]

*Banchus canadensis* Provancher, Nat. Canad., 1874, 6: 62. [key, Que.]

*Banchus canadensis* Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). [key, des.]

*Banchus canadensis* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Banchus canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Banchus canadensis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

**Banchus cressonii** (Viereck)

*Cidaphurus cressonii* Viereck, Canad. Ent., 1902, 34: 69. ♀. [o.d., Mass. (A.N.S.P.)]

*Banchus* (!) *cressonii* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

*Banchus cressoni* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

**Banchus flavescens** Cresson

*Banchus flavescens* Cresson, Canad. Ent., 1868, 1: 33. ♂. [o.d., Ottawa, Ont. (A.N.S.P.)]

*Banchus flavescens* Provancher, Nat. Canad., 1874, 6: 62. [key, Que.]

*Banchus ferrugineus* Provancher, Nat. Canad., 1877, 9: 14. (♀). [o.d., Que. (M.P.Q.)] New synonymy.

*Banchus flavescens* Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). [key, des.]

*Banchus ferrugineus* Provancher, Nat. Canad., 1879, 11: 217; (Faune, p. 390). ♀ (not ♂). [key, des.]

*Banchus flavescens* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Banchus ferrugator* Morley, Ent., 1910, 43: 243. [syn., (in part?) notes on type]

*Banchus flavescens* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Canada]

*Banchus ferrugineus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Banchus flavescens* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Banchus flavescens* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host a, Me.]

*Banchus flavescens* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

PHALAEINIDAE: a, *Barathra curialis*.

**Banchus inermis** Provancher

?*Ichneumon ferrugator* Kirby, in Richardson: Fauna Boreali Americana, 1837, 4: 258. (♀). [o.d., North America (British Mus.)] Preoccupied by Swederus, 1787. New synonymy.

*Banchus flavovariegatus* Provancher, Nat. Canad., 1874, 6: 61. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Banchus inermis* Provancher, Nat. Canad., 1874, 6: 62. ♀. [key, o.d., Que. (M.P.Q.)]

?*Ichneumon ferrugator* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 207. [des.]

*Banchus flavovariegatus* Provancher, Nat. Canad., 1879, 11: 215; (Faune, p. 388). ♂, ♀. [key, des.]

*Banchus inermis* Provancher, Nat. Canad., 1879, 11: 216; (Faune, p. 389). [key, des.]

*Banchus inermis* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Banchus polychromus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 366. ♂ (not ♀). [o.d., Vancouver Is., B.C. (M.P.Q.)] New synonymy.

*Banchus inermis* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Banchus flavovariegatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Banchus superbus* Harrington, Canad. Ent., 1897, 29: 45. [syn., B.C.] In part.

*Banchus inermis* Ashmead, Ann. Rpt. N.J. Bd. Agr. 1900, 27, suppl.: 583. [N.Y.]

?*Banchus ferrugator* Morley, Ent., 1910, 43: 243. [syn. (in part), notes on type]

*Banchus flavovariegatus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [des., Hudson's Bay, N.S.]

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*Banchus flavovariegatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Banchus inermis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Banchus inermis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

*Banchus flavovariegatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host a, Me.]

PHALAEINIDAE: a, *Polia legitima*.

***Banchus monileatus* Gravenhorst**

*Banchus monileatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 393. ♂, ♀. [o.d., "circa Warmbrunn, circa Vratislaviam, et prope Barterodam" (Europe) (?Breslau Mus.)]

*Banchus formidabilis* Provancher, Nat. Canad., 1874, 6: 61. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Banchus formidabilis* Provancher, Nat. Canad., 1879, 11: 215; (Faune, p. 388). [key, des.]

*Banchus (Corynephanus) groenlandicus* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 30. ♂, ♀. [o.d., fig., Auleitsvik, Igalikofjorden, and Julianehaab, Greenland (?Stockholm Mus.)]

*Banchus monileatus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 240. [syn., des., Greenland]

*Corynephanes* (!) *groenlandicus* Roman, Ent. Tidskr., 1910, 31: 153. [des.]

*Banchus monileatus* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

*Banchus* (!) *monileatus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 285. [syn., des., Greenland]

*Banchus monileatus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Europe, Greenland]

***Banchus nigrolineatus* (Cameron) new combination**

*Cidaphurus nigrolineatus* Cameron, Invertebrata Pacifica, 1903, 1: 129. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

***Banchus pallescens* Provancher**

*Banchus pallescens* Provancher, Nat. Canad., 1874, 6: 62. ♀. [key, o.d., Que. (M.P.Q.)]

*Banchus insignis* Provancher, Nat. Canad., 1874, 6: 63. ♂. [key, o.d., Que. (M.P.Q.)]

*Banchus pallescens* Provancher, Nat. Canad., 1879, 11: 218; (Faune, p. 391). ♂. [key, syn., des.]

*Cidaphurus pallescens* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]

*Corynephanes* (!) *tarsalis* Slosson, Ent. News., 1902, 13: 321. [N.H.] Nomen nudum.

*Branchus* (!) *pallescent* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 618. [N.J.]

*Banchus pallescens* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 8. [syn.]

*Banchus pallescens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Banchus pallescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Banchus pallescens* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

*Banchus pallescens* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

***Banchus spinosus* Cresson**

*Banchus spinosus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 274. ♂. [o.d., Colo. (A.N.S.P.)]

*Banchus spinosus* Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]

*Banchus spinosus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Rocky Mts.]

***Banchus superbus* Cresson**

*Banchus superbus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 273. ♂. [o.d., Colo. (A.N.S.P.)]

*Banchus superbus* Harrington, Canad. Ent., 1897, 29: 45. [syn., B.C.] In part.

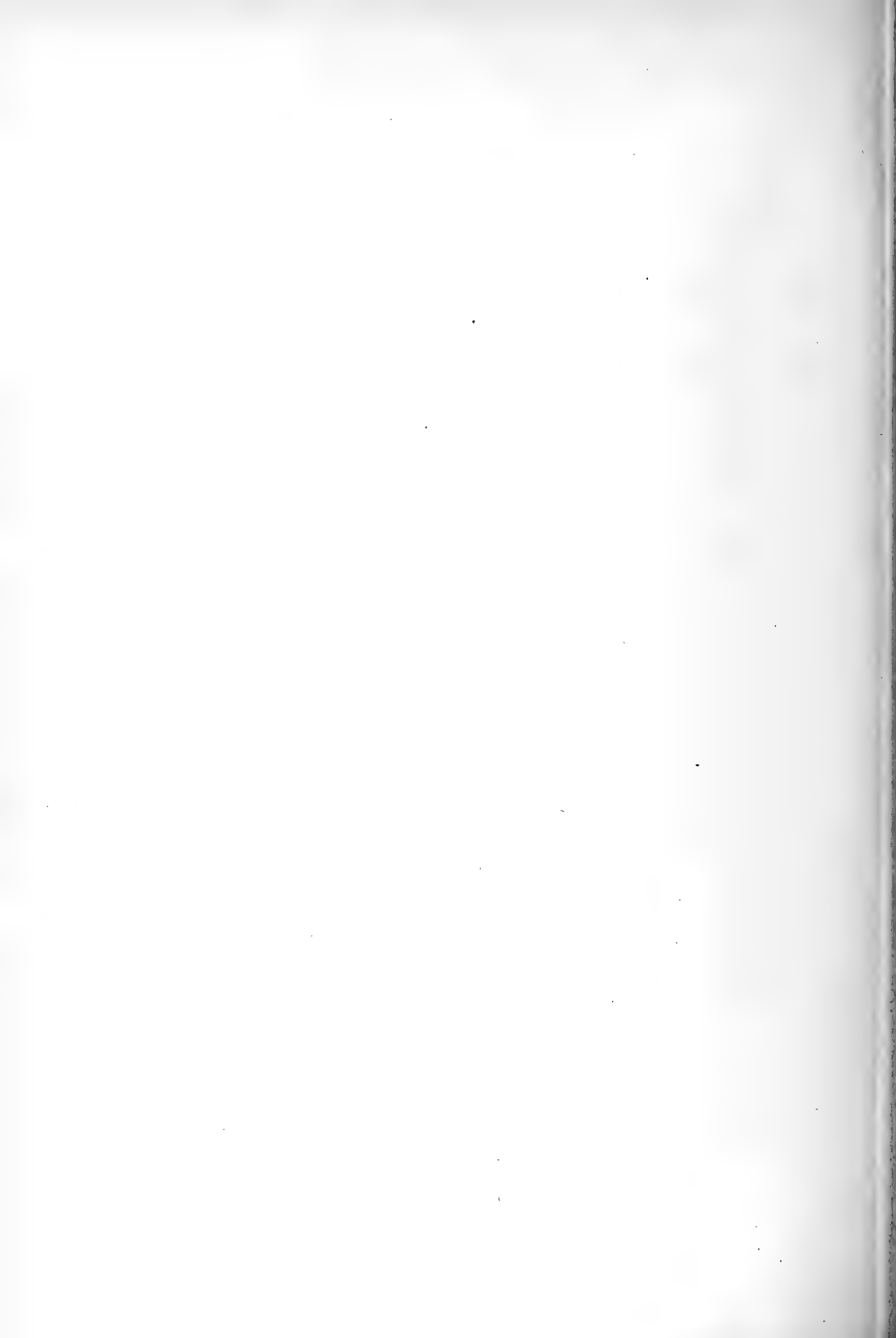
*Banchus superbus* Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Banchus superbus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 137. [Ga.]

*Banchus superbus* Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 418. [Me.]

***Banchus tricolor* Cameron**

*Banchus tricolor* Cameron, Invertebrata Pacifica, 1903, 1: 130. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]





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BY  
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Part II. The Subfamilies Mesoleiinae, Plectiscinae,  
Orthocentrinae, Diplazoninae, Metopiinae,  
Ophioninae, Mesochorinae



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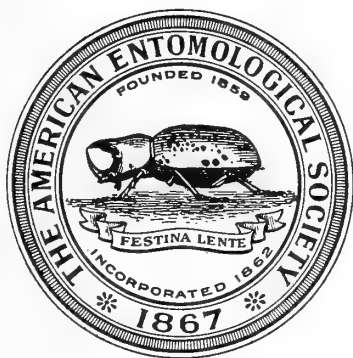
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## Subfamily 6. MESOLEIINAE

## Tribe 1. SCOLOBATINI

**SCOLOBATES** Gravenhorst

*Scolobates* Gravenhorst, Ichneum. Europeae, 1829, 2: 357.

Genotype: (*Scolobates crassitarsus* Gravenhorst) = *auriculatus* Fabricius.

*Aglyphus* Giraud, Ann. Soc. Ent. France, 1872, (5), 1: 411.

Genotype: (*Aglyphus nigripennis* Giraud) = *auriculatus* Fabricius.

**Scolobates auriculatus** (Fabricius)

*Ichneumon auriculatus* Fabricius, Syst. Piez., 1804, p. 69. [o.d., Austria (location of type unknown)]

*Scolobates crassitarsus* Gravenhorst, Ichneum. Europeae, 1829, 2: 360. ♂, ♀. [o.d., Germany, Italy (?Breslau Mus.)]

*Scolobates auriculatus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 154. ♂, ♀. [des., Sweden]

*Prionopoda canadensis* Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)]

*Scolobates crassitarsus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♀. [syn., des., N.H., Ont., Pa., Tex.]

*Scolobates crassitarsus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.Y.]

*Scolobates crassitarsus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 297. ♀. [des.]

## Subfamily 6. MESOLEIINAE

## Tribe 2. EUCERATINI

**EUCEROS** Gravenhorst

*Euceros* Gravenhorst, Ichneum. Europeae, 1829, 3: 368.

Genotype: *Euceros crassicornis* Gravenhorst.

*Eumesius* Westwood, Introd. Mod. Class. Insects, 1840, 2: 153. New name for *Euceros* Gravenhorst.

*Omaloceros* Giraud, Verh. Zool. Bot. Ver. Wien, 1857, 7, abh.: 163. New name for *Euceros* Gravenhorst.

**Euceros albomarginatus** Cushman

*Scorpiorus* (!) *albomarginatus* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

*Euceros albomarginatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 12. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Euceros angulicornis** Walley

*Euceros angulicornis* Walley, Canad. Ent., 1932, 64: 246. ♂, ♀. [o.d., B.C. (C.N.C.)]

**Euceros canadensis** Cresson

*Euceros canadensis* Cresson, Canad. Ent., 1869, 1: 103. ♀. [key, o.d., Grimsby, Ont. (A.N.S.P.)]

*Euceros Canadensis* Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 425). ♂. [key, des., Que.]

*Euceros canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 254. ♂, ♀. [key, des., Canada, Mich., N.Y.]

*Eumesius canadensis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [N.Y.]

*Euceros canadensis* Slosson, Ent. News, 1902, 13: 320. [N.H.]

*Euceros canadensis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]

*Euceros canadensis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Euceros canadensis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

**Euceros digitalis** Walley

*Euceros digitalis* Walley, Canad. Ent., 1932, 64: 242. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

**Euceros faciens** Davis

*Euceros faciens* Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, o.d., Wash. (A.N.S.P.)]

*Euceros fasciens* (!) Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host a, Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

**Euceros flavescens** Cresson

*Euceros flavescens* Cresson, Canad. Ent., 1869, 1: 105. ♂, ♀. [o.d., Conn. (A.N.S.P.), W.Va.]

*Euceros flavescens* Davis, Trans. Amer. Ent. Soc., 1897, 25: 257. ♂, ♀. [key, des., Conn., Ill., Va., W.Va.]

*Eumesius flavescens* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577. [Pa.]

*Euceros flavescens* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Euceros flavescens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key, Conn.]

*Euceros flavescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

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**Euceros frigidus** Cresson

*Euceros frigidus* Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Me. (A.N.S.P.)]

*Euceros frigidus* Provancher, Nat. Canad., 1874, 6: 30. [Que.]

*Euceros frigidus* Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 426).  
[key, des., Que.]

*Euceros frigidus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key,  
des., Canada, Me., N.H.]

*Euceros frigidus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.  
[N.Y.]

*Euceros frigidus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5, 10. [host  
a b, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*. DIPRIONIDAE: b, *Neodiprion abietis*.

**Euceros medialis** Cresson

*Euceros medialis* Cresson, Canad. Ent., 1869, 1: 105. ♀. [o.d., Mass.  
(A.N.S.P.)]

*Euceros medialis* Provancher, Nat. Canad., 1879, 11: 271; (Faune, p. 427).  
[key, des., Que.]

*Euceros medialis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♀. [key, des.,  
Canada, Ida., Ill., Mass., N.H., N.Y., Pa.]

*Euceros medialis* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Eumesius medialis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl: 577.  
[N.Y., Pa.]

*Euceros medialis* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Euceros medialis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.  
[key]

*Euceros medialis* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Euceros medialis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Euceros medialis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.  
[N.Y.]

*Euceros medialis* Brimley, Insects of N.C., 1938, p. 411. [N.C.]

**Euceros neodiprioni** Walley

*Euceros neodiprioni* Walley, Canad. Ent., 1932, 64: 245. ♂, ♀. [o.d., host a,  
Laniel, Que. (C.N.C.)]

DIPRIONIDAE: a, *Neodiprion* sp. on *Pinus banksiana*.

**Euceros obesus** Davis

*Euceros obesa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♀. [key, o.d.,  
Ill. (A.N.S.P.)]

*Euceros obesus* Dalla Torre, Cat. Hymen., 1901, 3: 327. [syn.]

*Euceros obesa* Nason, Ent. News, 1905, 16: 170. [Ill.]



**Euceros sanguineus** Davis

*Euceros sanguineus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀.  
[key, o.d., Colo. (A.N.S.P.)]

**Euceros thoracicus** Cresson

*Euceros Couperii* Cresson, Canad. Ent., 1869, 1: 104. ♂. [key, o.d., Ottawa, Ont. (A.N.S.P.)] New synonymy.

*Euceros thoracicus* Cresson, Canad. Ent., 1869, 1: 105. ♂. [o.d., Conn. (A.N.S.P.)]

*Euceros Couperii* Provancher, Nat. Canad., 1879, 11: 270; (Faune, p. 426).  
[key, des., Que.]

*Euceros Couperii* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Euceros couperii* Davis, Trans. Amer. Ent. Soc., 1897, 24: 255. ♂, ♀. [key, des., Canada, N.H.]

*Euceros thoracicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 256. ♂. [key, des., Conn., Ont.]

*Scopiorus flavopictus* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

*Euceros vierecki* Hertzog, Ent. News, 1909, 20: 245. ♀. (not ♂). [key, o.d., fig., Harrisburg, Pa. (type lost)] New synonymy.

*Euceros couperii* Gibson, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 121. [Man.]

*Euceros couperi* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. [syn.]

*Euceros cooperi* (!) Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Euceros thoracicus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Euceros couperii* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Euceros couperi* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.  
[N.Y.]

*Euceros thoracicus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944.  
[N.Y.]

*Euceros decorus* Walley, Canad. Ent., 1932, 64: 244. ♂, ♀. [o.d., host *d e*, Aweme, Man. (C.N.C.)] New synonymy.

*Euceros couperii* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9, 10, 12.  
[host *a b c*, Canada]

GEOMETRIDAE: a, *Caripeta divisata*; b, *Hydriomena divisaria*; c, *Semiothisa granitata*.  
DIPRIONIDAE: d, *Neodiprion* sp. TENTHREDINIDAE: e, *Pristiphora erichsoni*.

## Subfamily 6. MESOLEIINAE

## Tribe 3. PIONINI

**TREMATOPYGUS** Holmgren

*Trematopygus* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 179.

Genotype: *Trematopygus ruficornis* Holmgren.

*Epachthes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205.

Genotype: *Ichneumon erythropalpus* Gmelin.

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*Epachtus* Thomson, Opusc. Ent., 1894, 19: 1999.

Genotype: *Ichneumon erythropalpus* Gmelin.

*Lethades* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 204. New synonymy.

Genotype: *Adelognathus texanus* Ashmead.

*Volucris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 267; 1898, 24: 287.

Genotype: *Tryphon semirufus* Cresson.

***Trematopygus kukakensis* Ashmead**

*Trematopygus kukakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 212. ♀.  
[o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Trematopygus semirufus* (Cresson)**

*Tryphon semirufus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 278. ♀. [o.d., Ill.  
(A.N.S.P.)]

*Tryphon rufocinctus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 280. ♀. [o.d.,  
Ill. (A.N.S.P.)]

*Tryphon rufocinctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 103.  
♀. [key, des., Ont.]

*Tryphon tuberculifer* Provancher, Addit. Faune Canada, Hymén., 1886, p. 103.  
♀. [key, o.d., Bécancour, Que. (M.P.Q.).] New synonymy.

*Volucris semirufus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 287. ♂, ♀. [syn.,  
des., Colo., Ill., Mont., Ore.]

*Tryphon tuberculifera* (!) Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

*Trematopygus semirufus* Roman, Naturw. Unters. Sarekgebirges Swedisch-  
Lapland, 1909, 4: 301. [syn.]

*Trematopygus semirufus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 945. [N.Y.]

*Trematopygus semirufus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102.  
[Alta.]

*Trematopygus semirufus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.  
[Ia.]

***Trematopygus texanus* (Ashmead) new combination**

*Adelognathus texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀.  
[o.d., Tex. (U.S.N.M.)]

*Lethades texanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀. [des.]

**OOCENTETER Cushman**

*Oocenteter* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 555.

Genotype: *Oocenteter tomostethi* Cushman.

**Oocenteter tomostethi** Cushman

*Oocenteter tomostethi* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 556. ♂, ♀.  
[o.d., fig., host *a*, Riverdale, Md. (U.S.N.M.)]

*Oocenteter tomostethi* McConnell, Proc. Ent. Soc. Wash., 1938, 40: 23. [biol., host *a*, Md.]

TENTHREDINIDAE: *a*, *Tomostethus multicinctus*.

**RHORUS** FoersterSubgenus **Rhorus** Foerster

*Rhorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 195.

Genotype: *Tryphon mesoxanthus* Gravenhorst.

*Dolichoblastus* Strobl, Mitt. Naturw. Ver. Steiermark, 1903, 39: 52. New synonymy.

Genotype: *Monoblastus (Dolichoblastus) flavopictus* Strobl.

**Rhorus (Rhorus) clapini** (Provancher) new combination

*Tryphon Clapini* Provancher, Nat. Canad., 1876, 8: 327. ♂ (not ♀). [o.d., St. Hyacinthe, Que. (M.P.Q.)]

*Tryphon Clapini* Provancher, Nat. Canad., 1879, 11: 256; (Faune, p. 414). [key, des.]

*Tryphon Clapini* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

*Tryphon clapini* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

Subgenus **Cyphanza** Cameron

*Monoblastus* of authors, not of Hartig.

*Cyphanza* Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 723.

Genotype: *Cyphanza nigra* Cameron.

**Rhorus (Cyphanza) borealis** (Ashmead) new combination

*Phthorina* (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂.  
[o.d., Popof Is., Alaska (U.S.N.M.)]

*Gastroporus?* *borealis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. [syn.]

**Rhorus (Cyphanza) caliroae** (Viereck) new combination

*Monoblastus caliroae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 151. ♂, ♀.  
[o.d., host *a*, Vienna, Va. (U.S.N.M.)]

*Trematopygus caliroae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. [des., Pa.]

TENTHREDINIDAE: *a*, *Caliroa cerasi*.

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**Rhorus (Cyphanza) dufresnei** (Provancher) new combination

*Tryphon Dufresnei* Provancher, Nat. Canad., 1875, 7: 309, 311. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Tryphon Dufresnei* Provancher, Nat. Canad., 1879, 11: 253; (Faune, p. 411). [key, syn., des.]

*Tryphon Dufresnei* Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

*Tryphon dufresnei* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Monoblastus varifrons* Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀. [key, syn., des. (in part), Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H.]

*Mesoleius dufresnei* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Monoblastus dufresnei* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Rhorus (Cyphanza) fuscus** (Davis) new combination

*Trematopygus fuscus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂. [key, o.d., Mich. (A.N.S.P.)]

**Rhorus (Cyphanza) hervieuxii** (Provancher) new combination

*Tryphon Hervieuxii* Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). ♀. [key, o.d., Que. (M.P.Q.)]

*Tryphon Hervieuxii* Provancher, Addit. Faune Canada, Hymén., 1886, p. 101. [key]

*Tryphon hervieuxii* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

**Rhorus (Cyphanza) niger** (Ashmead) new combination

*Monoblastus niger* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 213. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

**Rhorus (Cyphanza) nigratus** (Dalla Torre) new combination

*Mesoleius niger* Provancher, Nat. Canad., 1883, 14: 9; (Faune, p. 796). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1855.

*Mesoleius niger* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

*Mesoleius niger* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Mesoleius nigratus* Dalla Torre, Cat. Hymen., 1901, 2: 263. New name for *Mesoleius niger* Provancher.

*Trematopygus eriocampoididis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 135. ♂, ♀. [o.d., host a, North East, Pa. (U.S.N.M.)] New synonymy.

*Monoblastus eriocampoididis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

TENTHREDINIDAE: a, *Caliroa cerasi*.

**Rhorus (Cyphanza) obscurellus** (Cresson) new combination

*Erromenus obscurellus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 373. ♀.  
[o.d., Calif. (A.N.S.P.)]

*Monoblastus obscurellus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♂, ♀.  
[key, des., Calif., Colo., Mont., Wash.]

*Monoblastus obscurellus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.  
[Me.]

**Rhorus (Cyphanza) pilosus** (Davis) new combination

*Eryma pilosa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 274. ♂: [o.d., Mont.  
(A.N.S.P.), Mass.]

*Neoeryma pilosa* Dalla Torre, Cat. Hymen., 1901, 3: 310. [syn.]

**Rhorus (Cyphanza) punctifrons** (Davis) new combination

*Monoblastus punctifrons* Davis, Trans. Amer. Ent. Soc., 1897, 24: 261. ♀.  
[key, o.d., Tex. (A.N.S.P.)]

**Rhorus (Cyphanza) tristis** (Provancher) new combination

*Erromenus tristis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 110.  
♀. [o.d., Ottawa, Ont. (M.P.Q.)]

*Erromenus tristis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 260. ♀. [key, des.]

*Erromenus tristis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 412. [Me.]

**Rhorus (Cyphanza) varifrons** (Cresson) new combination

*Tryphon varifrons* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♂. [o.d.,  
Mass. (A.N.S.P.), Conn.]

*Tryphon scutellaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 104. ♀. [o.d.,  
Conn. (A.N.S.P.)]

*Tryphon frontalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 109. ♀. [o.d.,  
Conn. (A.N.S.P.)]

*Tryphon scutellaris* Provancher, Nat. Canad., 1875, 7: 310, 311. [key, Que.]

*Monoblastus varifrons* Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂, ♀.  
[key, syn., des., Canada, Conn., Fla., Ill., Mass., Mich., Mont., N.H. (In  
part)]

*Monoblastus varifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.  
[N.J.]

*Monoblastus varifrons* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Monoblastus varifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
297. ♂, ♀. [des.]

*Monoblastus varifrons* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134.  
[Me.]

*Monoblastus varifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
948. [N.Y.]

*Monoblastus varifrons* Taylor, Ent. Amer., 1929, 10: 39. [Mass., Me.]

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**PION** Schiödte

*Pion* Schiödte, Nat. Tidsskr., 1838, 2: 318.

Genotype: *Mesoleptus fortipes* Gravenhorst.

*Catoglyptus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 98, 106.

Genotype: *Mesoleptus fortipes* Gravenhorst.

*Sympherta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

New synonymy.

Genotype: *Tryphon burrus* Cresson.

*Stiphrosomus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Preoccupied by Fieber, 1858. New synonymy.

Genotype: *Ichneumon fuscicornis* Gmelin.

*Provancherella* Dalla Torre, Cat. Hymen., 1901, 3: 305. New synonymy.

Genotype: (*Baryceros rhopalocerus* Provancher) = *burrus* Cresson.

**Pion aciculatus** (Davis) new combination

*Monoblastus aciculatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 262. ♂.  
[key, o.d., Mont. (A.N.S.P.)]

**Pion burrus** (Cresson) new combination

*Tryphon burrus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 108. ♀. [o.d.,  
Conn. (A.N.S.P.)]

*Baryceros rhopalocerus* Provancher, Nat. Canad., 1875, 7: 269. ♂. [o.d.,  
Que. (M.P.Q.)] New synonymy.

*Mesoleptus? rhopalocerus* Provancher, Nat. Canad., 1879, 11: 232; (Faune p.  
405). [key, des.]

*Mesoleptus rhopalocerus* Provancher, Addit. Faune Canada, Hymén., 1886, p.  
96. [key]

*Mesoleptus largus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 98.  
♀. [key, o.d., Bécancour, Que. (M.P.Q.)]

*Tryphon rhopalocerus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Tryphon largus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Sympherta burrus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂, ♀. [key,  
des., Conn.]

*Baryceros rhopalocerus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂. [des.,  
Ga., N.Y.]

*Tryphon largus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Provancherella rhopalocerus* Dalla Torre, Cat. Hymen., 1901, 3: 305. [syn.]

*Provancherella rhopalocera* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 295. ♂. [des.]

*Sympherta burra* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.  
[key]

*Provancherella rhopalocera* Walley, Canad. Ent. 1937, 69: 191. [syn. des.]

*Provancherella rhopaloceros*(!) Brimley, Insects of N.C., 1938, p. 411. [N.C.]

**Pion clinatus** (Walley) new combination

*Stiphrosomus clinatus* Walley, Canad. Ent., 1937, 69: 190. ♀. [o.d., Banff, Alta. (C.N.C.)]

**Pion femoratus** (Davis) new combination

*Catoglyptus femoratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

**Pion fucatus fucatus** (Cresson) new combination

*Mesoleptus fucatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀. [o.d., W.Va. (A.N.S.P.), Conn.]

*Mesoleptus erectus* Provancher, Nat. Canad., 1875, 7: 317. ♀. [o.d., Que. (M.P.Q.)]

*Mesoleptus fucatus* Provancher, Nat. Canad., 1877, 7: 271, 272. [key, Que.]

*Mesoleptus fucatus* Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

*Mesoleptus erectus* Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). [key, des.]

*Mesoleptus laetus* Provancher, Nat. Canad., 1879, 11: 231; (Faune, p. 404). ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Mesoleptus fucatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

*Mesoleptus laetus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

*Mesoleptus erectus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

*Catoglyptus? fucatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [syn. des., Canada, Colo., Conn., Mass., N.H., Va., Wash.]

*Catoglyptus furcatus* (!) Nason, Ent. News, 1905, 16: 170. [Ill.]

*Syndipnus erythrogaster* Viereck, Trans. Amer. Ent. Soc., 1908, 33: 385. ♂. [o.d., Flagstaff, Ariz. (Univ. Kans.)] New synonymy.

*Catoglyptus? fucatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♀. [des.]

*Stiphrosomus fucatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Stiphrosomus fucatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Scopesis laetus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Catoglyptus fuscatus* (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Scopesis laetus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Catoglyptus fucatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

*Stiphrosomus fucatus* Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

- Syndipnus erythrogaster* Walley, Canad. Ent., 1940, 72: 136. [des.]  
*Stiphrosomus fucatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Pion fucatus nigropleuralis** (Davis) new combination

- Mesoleptus nigropleuralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂.  
 [key, des., Nev. (A.N.S.P.)]

Subfamily 6. MESOLEIINAE

Tribe 4. CTENOPELMATINI

**CTENOPELMA** Holmgren

*Ctenopelma* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 117.

Genotype; *Ctenopelma nigrum* Holmgren.

*Diedrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200. New synonymy.

Genotype: *Diedrus areolatus* Davis.

*Eryma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202. Preoccupied by Meyer, 1840 and by Albers, 1854.

Genotype: (*Eryma stigium* Kriechbaumer) = *nigrum* Holmgren.

*Holmgrenia* Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1877, 31: 146. Preoccupied by Foerster, 1868.

Genotype: (*Holmgrenia pulchra* Kriechbaumer) = *xanthostigma* Holmgren.

*Kriechbaumeria* Dalla Torre, Jahresber. Naturf. Ges. Graubünden, 1885, 28: 52.

New name for *Holmgrenia* Kriechbaumer.

*Polyomorus* Kriechbaumer, Ent. Nachr., 1894, 20: 60.

Genotype: *Polyomorus gagatinus* Kriechbaumer.

*Neoeryma* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. New name for *Eryma* Foerster.

*Pseudobanchus* Szépligeti, Genera Insectorum, 1911, 114: 79.

Genotype: *Exetastes nigripennis* Gravenhorst.

**Ctenopelma areolatum** (Davis) new combination

- Diedrus areolatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., N.H. (A.N.S.P.)]

**Ctenopelma crassicorne** Walley

- Ctenopelma crassicorne* Walley, Canad. Ent., 1941, 73: 168. ♂, ♀. [o.d., Smoky Falls, Mattagami River, Ont. (C.N.C.)]

**Ctenopelma croceum** Walley

- Ctenopelma croceum* Walley, Canad. Ent., 1941, 73: 167. ♂, ♀. [o.d., Sweetsburg, Que. (C.N.C.), Ont.]



**Ctenopelma labradorens** (Davis) new combination

*Diedrus labradorens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♀. [key, o.d., Labrador (A.N.S.P.)]

**Ctenopelma nigricorne** (Provancher)

*Mesoleptus nigricornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 99.

♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Ctenopelma nigricornis* Harrington, Canad. Ent., 1892, 24: 99. [syn., des.]

*Ctenopelma nigricornis* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Ctenopelma nigricornis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♀. [key, des., Ont.]

*Ctenopelma nigricorne* Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

**Ctenopelma sanguineum** (Provancher)

*Tryphon sanguineus* Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d., Que. (M.P.Q.)]

*Ctenopelma sanguinea* Provancher, Nat. Canad., 1879, 11: 248; (Faune, p. 406). ♂, ♀. [des.]

*Ctenopelma sanguinea* Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♂, ♀. [key; des., Canada, Del., Ida., Mont., N.J., Wash.]

*Ctenopelma sanguineum* Dalla Torre, Cat. Hymen., 1901, 3: 331. [syn.]

*Ctenopelma sanguineum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des.]

*Ctenopelma sanguineum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

**XENOSCHESIS** FoersterSubgenus **Xenoschesis** Foerster

*Xenoschesis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande 1868, 25: 158.

Genotype: *Exetastes fulvipes* Gravenhorst.

*Homobia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

Genotype: *Colpotrochia? cinctiventris* Ashmead.

*Glyptocentrus* Kriechbaumer, Ent. Nachr., 1894, 20: 61.

Genotype: *Exetastes fulvipes* Gravenhorst.

*Polycinetus* Thomson, Opusc. Ent., 1894, 19: 1983.

Genotype: *Exetastes fulvipes* Gravenhorst.

**Xenoschesis** (**Xenoschesis**) **cinctiventris** (Ashmead)

*Colpotrochia? cinctiventris* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200.

♂ (not ♀). [o.d., Provincetown, Mass. (U.S.N.M.)]

*Pyracon clypeatum* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

MEM. AMER. ENT. SOC., 11 pt. 2.

- Homobia cinctiventris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♂ (not ♀). [des.]
- Exetastes abbreviatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 366. ♂, ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]
- Erigloea longitarsis* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.
- Xenoschesis slossonae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 140. ♀. [o.d., Mt. Washington, N.H. (U.S.N.M.), Newfoundland]
- Xenoschesis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn.]
- Xenoschesis slossonae* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]
- Xenoschesis slossonae* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Walley, Canad. Ent., 1935, 67: 180. [key]
- Xenoschesis cinctiventris* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 244. [syn.]
- Xenochesis* (!) *cinctiventris* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

#### Subgenus **Polycinetis** Foerster

- Polycinetis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.  
Genotype: *Notopygus* (*Polycinetis*) *resplendens* Holmgren.
- Prosmorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.  
Genotype: *Notopygus resplendens* Holmgren.
- Erigloea* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.  
Genotype: (*Erigloea polita* Kriechbaumer) = *resplendens* Holmgren.

#### **Xenoschesis** (**Polycinetis**) **crassitarsus** Walley, new combination

- Xenoschesis crassitarsus* Walley, Canad. Ent., 1935, 67: 181. ♀. [key, o.d., Macdiarmid, Lake Nipigon, Ont. (C.N.C.)]

#### **Xenoschesis** (**Polycinetis**) **gracilis** Cushman, new combination

- Xenoschesis gracilis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. ♀. [o.d., Franconia, N.H. (U.S.N.M.), Alta.]
- Xenoschesis gracilis* Walley, Canad. Ent., 1935, 67: 180. [key]

#### **Xenoschesis** (**Polycinetis**) **limatus** (Cresson)

- Tryphon?* *limatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d., Del. (A.N.S.P.)]
- Polycinetus limatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀. [key, des., Del., Mont., N.Y.]
- Polycinetis limata* Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]
- Polycinetis limata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291. ♂, ♀. [des.]
- Xenoschesis limatus* Walley, Canad. Ent., 1935, 67: 180. [key]

**Xenoschesis (Polycinetis) nitidus** Walley, new combination

*Xenoschesis nitidus* Walley, Canad. Ent., 1935, 67: 180. ♂, ♀. [key, o.d., Steelhead, B.C. (C.N.C.)]

**Xenoschesis (Polycinetis) solitarius** (Davis)

*Polycinetus solitarius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♀.  
[key, o.d., Agricultural College, Mich. (Mich. State College)]

*Polycinetis solitaria* Dalla Torre, Cat. Hymen., 1901, 3: 374. [syn.]

*Xenoschesis solitarius* Walley, Canad. Ent., 1935, 67: 180. [key]

**HOMASPIS** Foerster

*Homaspis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Mesoleptus rufinus* Gravenhorst.

**Homaspis albipes** Davis

*Homaspis albipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.Y. (A.N.S.P.)]

*Homaspis albipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291.  
♀. [des.]

**Homaspis interruptus** (Provancher)

*Paniscus interruptus* Provancher, Nat. Canad., 1874, 6: 107. ♀. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus interruptus* Provancher, Nat. Canad., 1879, 11: 225; (Faune, p. 398).  
[key, des.]

*Mesoleptus interruptus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.  
[key]

*Mesoleptus interruptus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Mesolectus* (!) *interruptus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.  
[des.]

*Homaspis interruptus* Townes, Lloydia, 1938, 1: 222. [syn.]

**Homaspis nigripes** Cushman

*Homaspis nigripes* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀. [o.d., Estes Park, Colo. (U.S.N.M.)]

**Homaspis rhadinus** Davis

*Homaspis rhadinus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 308. ♀. [o.d., N.H. (A.N.S.P.)]

**Homaspis slossonae** Cushman

*Homaspis slossonae* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.  
MEM. AMER. ENT. SOC., 11 pt. 2.

- Homaspis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 15. ♂.  
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]  
*Homaspis slossonae* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

### NOTOPYGUS Holmgren

*Notopygus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 115.

Genotype: *Notopygus emarginatus* Holmgren.

#### *Notopygus cultus* (Cresson)

- Mesoleptus cultus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♀ (not ♂).  
[o.d., N.J. (A.N.S.P.)]  
*Notopygus cultus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [key, des.]  
*Prosmosus cymbaformus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀.  
[key, o.d., Ill. (A.N.S.P.)] New synonymy.  
*Prosmorus cymbiformis* (!) Dalla Torre, Cat. Hymen., 1901, 3: 371. [syn.]  
*Notopygus cultus* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]  
*Notopygus cultus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 291.  
♀. [des.]  
*Notopygus cymbaformus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 945. [N.Y.]

#### *Notopygus excavatus* Davis

- Notopygus excavatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀. [o.d.,  
Nev. (A.N.S.P.)]  
*Notopygus excavatus* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. [key]

#### *Notopygus scutellatus* Cushman

- Notopygus scutellatus* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 134. ♀.  
[o.d., Cornwall, Ida. (U.S.N.M.)]

#### *Notopygus virginiensis* Cushman

- Notopygus virginiensis* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 511. ♀.  
[key, o.d., Vienna, Va. (U.S.N.M.)]

## Subfamily 6. MESOLEIINAE

### Tribe 5. MESOLEIINI

#### Subtribe 1. PERILISSINA

### OPHELTES Holmgren

*Opheltes* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.

Genotype: *Ichneumon glaucopterus* Linnaeus.

*Nephopheltes* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. New synonymy.

Genotype: *Nephopheltes japonicus* Cushman.

***Opheltes glaucopterus flavipennis* (Provancher)**

(*Ichneumon glaucopterus* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d. (British Mus.)])

(*Opheltes glaucopterus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 30. ♀. [des., host, Sweden])

*Campoplex flavipennis* Provancher, Nat. Canad., 1874, 6: 143. ♀. [key, o.d., Que. (type lost)]

*Opheltes glaucopterus* Provancher, Nat. Canad., 1879, 11: 145. ♀. [syn., des., fig.]

*Opheltes glaucopterus* Fletcher, Canad. Ent., 1887, 19: 80. [host a]

*Opheltes glaucopterus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Opheltes glaucopterus* Riley and Howard, Insect Life, 1890, 3: 155. [host a, S.D.]

*Opheltes glaucopterus* Riley and Howard, Insect Life, 1890, 3: 177. [host a, S.D.]

*Opheltes glaucopterus* Aldrich, Insect Life, 1891, 3: 276. [host a, Minn., S.D.]

*Opheltes glaucopterus* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Opheltes glaucopterus* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 5. [des., biol., host a, S.D.]

*Opheltes glaucopterus* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Opheltes* (!) *glaucopterus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54, 55. [biol., Que.]

*Opheltes glaucopterus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Opheltes glaucoptenis* (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Opheltes glaucopterus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

*Opheltes glaucopterus* Howard, The Insect Book, 1902, plate 10, fig. 27.

*Opheltes glaucopterus* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Opheltes glaucopterus* Whitmarsh, Ann. Ent. Soc. Amer., 1910, 3: 197, 204-206, 208. [des., morphology]

*Opheltes glaucopterus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1910, 40: 82. [biol., host a]

*Opheltes glaucopterus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 134. ♂, ♀. [des., Europe, N.H., N.J., Ont. (in part)]

*Opheltes glaucopterus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [host a, Que.]

*Opheltes glaucopterus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]

- Opheltes glaucopterus* var. *flavipennis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 15. ♂, ♀. [key, des., Canada, Colo., Conn., Ida., Ill., N.Y., S.D.]
- Opheltes glaucopterus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Man.]
- Opheltes glaucopterus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Opheltes glaucopterus* var. *flavipennis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Opheltes glaucopterus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Opheltes glaucopterus* var. *flavipennis* Cushman, Mem. Cornell. Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Opheltes* (!) *glaucopterus* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [N.B.]
- Opheltes glaucopterus* var. *flavipennis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 410. [host a, Me.]
- CIMBICIDAE: a, *Cimbex americana*.

***Opheltes glaucopterus flavipennis* var. *barberi* Cushman**

- Opheltes glaucopterus* var. *barberi* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 16. ♀. [o.d., Plummars Is., Md. (U.S.N.M.)]

**PERILISSUS Holmgren**

- Perilissus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63.
- Genotype: *Mesoleptus filicornis* Gravenhorst. Monobasic.
- Oetophorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.
- New synonymy.
- Genotype: *Mesoleius stretchii* Cresson.
- Spanotecnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- Genotype: *Mesoleptus filicornis* Gravenhorst.
- Polyoncus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.
- New synonymy.
- Genotype: *Tryphon erythrocephalus* Gravenhorst.
- Symphobus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.
- Genotype: *Tryphon pleuralis* Cresson.
- Udenia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.
- Genotype: (*Udenia herrichii* Kriechbaumer) = *rufoniger* Gravenhorst.
- Silavoga* Cameron, Ann. Transvaal Mus., 1911, 2: 190.
- Genotype: *Silavoga longicornis* Cameron.

***Perilissus bicolor* (Cresson) new combination**

- Mesoleptus bicolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., Pa. (A.N.S.P.)]
- Prionopoda ruficornis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♂. [o.d., Ithaca, N.Y. (U.S.N.M.)]

*Rhorus bicolor* Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♂. [key, des., Mich., N.Y., Pa.]

*Rhorus bicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 300. ♂, ♀. [des., Conn.]

*Spanotecnus bicolor* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Spanotecnus bicolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

**Perilissus coloradensis** (Ashmead) new combination

*Prionopoda coloradensis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀. [o.d., Fort Collins, Colo. (U.S.N.M.)]

*Spanotecnus coloradensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Mont., Ore.]

*Spanotecnus coloradensis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

**Perilissus concolor** (Cresson) new combination

*Mesoleptus concolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♀. [o.d., N.J. (A.N.S.P.)]

*Mesoleptus concolor* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Eastern and Middle States]

*Cteniscus concolor* Provancher, Nat. Canad., 1875, 7: 139. ♀. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus concolor* Provancher, Nat. Canad., 1875, 7: 317. [syn., des.]

*Mesoleptus concolor* Provancher, Nat. Canad., 1879, 11: 230; (Faune, p. 403). [key, syn., des.]

*Mesoleptus concolor* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

*Spanotecnus concolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. [key, des., Ida., Mass., Mich., Mont., N.H., N.J., N.Y., Pa.]

*Spanotecnus concolor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]

*Cteniscus clypeatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 211. [syn. (in part)]

*Spanotecnus concolor* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Spanotecnus concolor* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Spanotecnus concolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des., Conn.]

*Spanotecnus concolor* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Spanotecnus concolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

*Spanotecnus concolor* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

**Perilissus decoloratus** (Cresson) new combination

- Mesoleptus decoloratus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♂ [o.d., Ill. (A.N.S.P.)]  
*Mesoleptus decoloratus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Ill.]  
*Perilissus southwickii* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Central Park, New York, N.Y. (U.S.N.M.)]  
*Spanotecnus decoloratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♂, ♀. [key, syn., des., Ill.]  
*Spanotecnus decoloratus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]  
*Spanotecnus decoloratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

**Perilissus discolor** (Cresson) new combination

- Mesoleptus discolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Del. (A.N.S.P.)]  
*Mesoleptus unicolor* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 271. ♂. [o.d., Pa. (A.N.S.P.), Del.] New synonymy.  
*Mesoleptus discolor* Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]  
*Mesoleptus unicolor* Provancher, Nat. Canad., 1879, 11: 229; (Faune, p. 402). [key, des., Que.]  
*Pyracmon rufum* Provancher, Nat. Canad., 1882, 13: 365; (Faune p. 787). ♀. [o.d., Cap. Rouge, Que. (M.P.Q.)] New synonymy.  
*Mesoleptus discolor* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]  
*Mesoleptus unicolor* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]  
*Mesoleius rufus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]  
*Sympherta? unicolor* Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [key, des., Canada, Del., Pa.]  
*Spanotecnus discolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂, ♀. [key, des., Canada, Colo., Del.]  
*Mesoleius rufus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]  
*Spanotecnus discolor* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 575. [N.J.]  
*Spanotecnus discolor* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Spanotecnus discolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. [key]  
*Sympherta unicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299. [key]  
*Spanotecnus discolor* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]



*Spanotecnus discolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 945. [N.Y.]

***Perilissus frontosus* (Davis) new combination**

*Labrossyta frontosa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♂, ♀. [o.d., Wash. (A.N.S.P.), Colo., Ida., Nev.]

***Perilissus fumipennis* (Provancher) new combination**

*Westwoodia fumipennis* Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]

*Westwoodia fumipennis* Provancher, Nat. Canad., 1879, 11: 219; (Faune, p. 392). [des.]

*Westwoodia fumipennis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 280. ♀. [des., Canada, N.H.]

***Perilissus nasoni* (Davis) new combination**

*Oetophorus nasoni* Davis, Trans. Amer. Ent. Soc., 1897, 24: 251. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

*Oetophorus nasoni* Nason, Ent. News, 1905, 16: 170. [Ill.]

***Perilissus oculatus* (Davis) new combination**

*Oetophorus oculatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Tex. (A.N.S.P.)]

***Perilissus opulentus* (Davis) new combination**

*Erigloea opulenta* Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., N.H. (A.N.S.P.)]

***Perilissus osflavus* (Davis) new combination**

*Oetophorus osflavus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♀. [key, o.d., Agricultural College, Mich. (Mich. State College)]

***Perilissus pleuralis* (Cresson) new combination**

*Tryphon pleuralis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 275. ♀. [o.d., N.J. (A.N.S.P.)]

*Symphobus pleuralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♀. [des.]

*Symphobus pleuralis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

*Plectiscus pleuralis* Dalla Torre, Cat. Hymen., 1901, 3: 24. [syn.]

*Symphobus pleuralis* Dalla Torre, Cat. Hymen., 1901, 3: 352. [syn.]

*Symphobus pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. ♀. [des.]

*Symphobus pleuralis* Bradley, Canad. Ent., 1939, 71: 95. [syn.]

*Oetophorus pleuralis* Townes, Canad. Ent., 1939, 71: 96. [syn.]

**Perilissus stretchii** (Cresson) new combination

*Mesoleius stretchii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♀.  
[o.d., Calif. (A.N.S.P.)]

*Oetophorus stretchii* Davis, Trans. Amer. Ent. Soc., 1897, 24: 252. ♂ ?, ♀.  
[key, des., Calif., Colo.]

**ABSYRTUS** Holmgren

*Absyrtus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 323.

Genotype: (*Absyrtus luteus* Holmgren) = *vicinator* Thunberg.

*Eczetesis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Perilissus paniscoides* Ashmead.

**Absyrtus arealis** Cushman

*Absyrtus arealis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19. ♂, ♀.  
[key, o.d., Cabin John, Md. (U.S.N.M.)]

**Absyrtus paniscoides** (Ashmead)

*Perilissus paniscoides* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 197. ♀,  
(♂ misdetermined). [o.d., Canada and Central Park, New York, N.Y.  
(U.S.N.M.)]

*Eczetesis paniscoides* Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♀. [des.,  
Ill., N.Y., Pa.]

*Eczetesis paniscoides* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 577.  
[N.Y., Pa.]

*Eczetesis paniscoides* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Eczetesis paniscoides* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 299.  
♀. [des.]

*Absyrtus paniscoides* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 2.  
[syn.]

*Absyrtus paniscoides* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.  
[key, des.]

*Absyrtus paniscoides* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
946. [N.Y.]

*Absyrtus paniscoides* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

**Absyrtus perilisoides** Cushman

*Absyrtus perilisoides* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 19.  
♂, ♀. [key, o.d., Hartford, Conn. (U.S.N.M.)]

**LABROSSYTA** Foerster

*Labrossyta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Grypocentrus bimaculatus* Ashmead.

*Atithasus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

New synonymy.

Genotype: (*Atithasus stellarius* Davis) = *bimaculata* Ashmead.

**Labrossyta bimaculata** (Ashmead)

*Grypocentrus bimaculatus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199.

♀. [o.d., Hanover, N.H. (U.S.N.M.)]

*Labrossyta bimaculatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 276. ♀.

[des., N.H.]

*Atithasus stellarius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀.

[o.d., Tex. (A.N.S.P.)] New synonymy.

*Labrocysta* (!) *bimaculata* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204.

[Kans.]

**Labrossyta indotata** (Davis) new combination

*Ctenopelma indotata* Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂, ♀.

[key, o.d., Tex. (U.S.N.M.)]

*Ctenopelma indotatum* Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

**Labrossyta primosa** (Davis) new combination

*Ctenopelma primosa* Davis, Trans. Amer. Ent. Soc., 1897, 24: 250. ♂. [key,

o.d., Tex. (U.S.N.M.)]

*Ctenopelma primosum* Dalla Torre, Cat. Hymen., 1901, 3: 330. [syn.]

**LAPHYROSCOPUS** Foerster

*Laphyroscoptes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 197.

Genotype: *Tryphon capitatus* Cresson.

**Laphyroscoptes capitatus** (Cresson)

*Tryphon capitatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♂. [o.d., Pa.

(A.N.S.P.)]

*Tryphon capitatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Conn., Pa.]

*Laphyroscoptes capitatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 307. ♂, ♀.

[des., Ga., N.H., Pa., Tex.]

*Laphyroscoptes capitatus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Laphyroscoptes longipes** (Davis) new combination

*Syndipnus longipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 288. ♀. [o.d.,

Tex. (A.N.S.P.)]

(Euryproctina?) *longipes* Walley, Canad. Ent., 1940, 72: 136. [syn., des.]

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**LATHROLESTES** Foerster

*Lathrolestes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Lathrolestes nasoni* Davis.

*Homalomma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 198.

New synonymy.

Genotype: *Homalomma caliroae* Rohwer.

*Ecclinops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

New synonymy.

Genotype: *Tryphon orbitalis* Gravenhorst.

*Lathrolestes* Thomson, Opusc. Ent., 1883, 9: 911, 916. New synonymy.

Genotype: *Tryphon clypeatus* Zetterstedt.

*Luphyroscopus* Thomson, Opusc. Ent., 1883, 9: 915. New synonymy.

Genotype: (*Tryphon gorskii* Ratzeburg) = *luteolator* Gravenhorst.

*Tryphonopsis* Brauns, Arch. Ver. Fr. Natur. Meklenburg, 1898, 51: 62.

Genotype: *Tryphonopsis ensator* Brauns.

**Lathrolestes caliroae** (Rohwer) new combination

*Homalomma caliroae* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♀. [o.d., host a, Falls Church, Va. (U.S.N.M.)]

*Homalomma eriocampoides* Rohwer, Proc. U. S. Nat. Mus., 1915, 29: 219. ♀. [o.d., host b, Falls Church, Va. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Caliroa* sp. on *Nyssa sylvatica*; b, *Caliroa* sp. on *Quercus prinus*.

**Lathrolestes cinctus** new name

*Phytodietus?* *truncatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♀. [o.d., Brookings, S.D. (A.N.S.P.)] Preoccupied in *Lathrolestes* by Provancher, 1888.

*Lissonota?* *truncata* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]

**Lathrolestes constrictus** (Provancher) new combination

*Phygadeuon constrictus* Provancher, Nat. Canad., 1882, 13: 336, 357; (Faune, p. 779). ♂. [key, o.d., Que. (M.P.Q.)]

*Phygadeuon constrictus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♂, ♀. [key, des., Que.]

**Lathrolestes iladus** (Davis) new combination

*Spanotecnus iladus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 303. ♂. [key, o.d., N.Y. (A.N.S.P.)]

**Lathrolestes luteolator** (Gravenhorst)

*Mesoleptus luteolator* Gravenhorst, Ichneum. Europeae, 1829, 2: 42. ♂. [o.d., Sickershausen, Germany (?Breslau Mus.)]

*Polygoncus suburbe* Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., suburbs of Madison, Wis. (A.N.S.P.)] New synonymy.

*Lathrolestes luteolator* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Lathrolestes mentalis** (Davis) new combination

*Polyoncus mentalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., N.H. (A.N.S.P.)]

*Monoblastus nigriventris* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

*Polyoncus mentalis* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Laphyroscopus mentalis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

*Polyoncus mentalis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Lathrolestes mnemonicae** (Rohwer)

*Sympherta mnemonicae* Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 141. ♂, ♀. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

*Lathrolestes mnemonicae* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 12. [syn., des.]

ERIOCRANIIDAE: *a*, *Mnemonica auricyanea*.

**Lathrolestes nasoni** Davis

*Lathrolestes nasoni* Davis, Trans. Amer. Ent. Soc., 1897, 24: 264. ♂, ♀. [o.d., Mont. (A.N.S.P.), Ill.]

*Lathrolestes similis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 265. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

**Lathrolestes obscurellus** (Davis) new combination

*Spanotecnus obscurellus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 304. ♀. [key, o.d., Conn. (A.N.S.P.)]

*Spanotecnus obscurellus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♀. [key, des.]

**Lathrolestes pictus** Cushman

*Lathrolestes pictus* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 11. ♂, ♀. [o.d., Brookings, S.D. (U.S.N.M.)]

**Lathrolestes platynus** (Davis) new combination

*Polyoncus platynus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♂. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

*Polyoncus unicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)] New synonymy.

**Lathrolestes rufigaster** Cushman

*Lathrolestes rufigaster* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14: 13. ♂, ♀. [o.d., host *a*, Grimsby, Ont. (U.S.N.M.)]

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*Lathrolestes rufigaster* Procter, Biol. Surv. Mt. Desert Region, 1938, 1: 404.  
[host b, Me.]

TENTHREDINIDAE: a, *Metallus rubi*. Miscellaneous: b, sawfly on blackberry.

**Lathrolestes scutellatus** (Ashmead) new combination

*Prionopoda scutellata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.  
[o.d., Washington, D.C. (U.S.N.M.)]

*Trematopygus scutellatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 278. ♀.  
[key, des.]

**Lathrolestes tomostethi** (Cushman) new combination

*Perilissus tomostethi* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 558. ♂, ♀.  
[o.d., host a, Boston, Mass. (U.S.N.M.)]

TENTHREDINIDAE: a, *Tomostethus multicinctus*.

**Lathrolestes truncatus** (Provancher) new combination

*Mesochorus truncatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.  
♀. [o.d., Vancouver, B.C. (M.P.Q.)]

*Mesoleius truncatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Mesoleius truncatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

**Lathrolestes visscheri** DeGant

*Lathrolestes visscheri* DeGant, Proc. U. S. Nat. Mus., 1933 (Feb.), 82, art. 11: 5.  
♂, ♀. [o.d., Parr Is., East Spence Lake, Ont. (U.S.N.M.)]

*Lathrolestes metalli* Cushman, Proc. U. S. Nat. Mus., 1933 (Mar.), 82, art. 14:  
10. ♂, ♀. [o.d., host a, Beamsville, Ont. (U.S.N.M.)] New synonymy.

TENTHREDINIDAE: a, *Metallus rubi*.

**SYNOECETES** Foerster

*Synoecetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203.

Genotype: (*Mesoleptus sedulus* Cresson) = *festivus* Cresson.

**Synoecetes festivus** (Cresson)

*Tryphon festivus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 279. ♀ (not ♂).  
[o.d., Ill. (A.N.S.P.)]

*Mesoleptus sedulus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♀ (not ♂).  
[o.d., Mass. (A.N.S.P.), N.J.] New synonymy.

*Synoecetes sedulus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,  
des., Conn., Mass., Mich., N.J., N.Y.]

*Synoecetes festivus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂, ♀. [key,  
des., Colo., Ill.]

*Tryphon festivus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578.  
[N.J.]

*Synoecetes sedulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295.

[key]

*Synoecetes festivus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

### **GNESIA** Foerster

*Gnesia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 202.

Genotype: *Gnesia caliroae* Rohwer.

#### **Gnesia caliroae** Rohwer

*Gnesia caliroae* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 220. ♀. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Nyssa sylvatica*.

#### **Gnesia rotundata** (Davis) new combination

*Trematopygus rotundatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich.]

## Subfamily 6. MESOLEIINAE

### Tribe 5. MESOLEIINI

#### Subtribe 2. MESOLEIINA

### **PROTARCHUS** Foerster

*Protarchus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 201.

Genotype: (*Tryphon rufus* Gravenhorst) = *testatorius* Thunberg.

*Zacalles* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 204.

Genotype: *Zacalles magnus* Davis.

*Protarchoides* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25. New synonymy.

Genotype: *Protarchoides longipes* Cushman.

#### **Protarchus longipes** (Cushman) new combination

*Psilosarge* (!) *longipes* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

*Protarchoides longipes* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

*Protarchoides mandibularis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20:

9. ♀. [o.d., fig., Wellington, B.C. (U.S.N.M.), Me.] New synonymy.

*Protarchoides longipes* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

[key]

*Protarchoides mandibularis* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15. [key]

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*Protarchoides longipes* Walley, Canad. Ent., 1938, 70: 230. [key]

*Protarchoides mandibularis* Walley, Canad. Ent., 1938, 70: 230. [key, des., host a, Que.]

CIMBICIDAE: a, *Trichiosoma* sp.

**Protarchus magnus** (Davis)

*Zacalles magnus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 283. ♀. [o.d., N.H. (A.N.S.P.)]

*Protarchus magnus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 8. [des., N.H.]

**Protarchus mellipes** (Provancher) new combination

*Coleocentrus mellipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 113.

♂. [o.d., Rocky Mts. (C.N.C.)]

*Coleocentrus mellipes* Harrington, Canad. Ent., 1893, 25: 30. [key]

*Coleocentrus mellipes* Cushman, Proc. U. S. Nat. Mus., 1920, 57: 507. [key, des.]

*Protarchoides pallipes* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15.

♀. [key, o.d., Edmonton, Alta. (U.S.N.M.)]

*Protarchoides mellipes* Walley, Canad. Ent., 1938, 70: 231. [key, syn., Ont.]

**Protarchus pallidicornis** (Walley) new combination

*Protarchoides pallidicornis* Walley, Canad. Ent., 1938, 70: 231. ♀. [key, o.d., Smoky Falls, near Kapuskansing, Ont. (C.N.C.)]

**HIMERTA** Foerster

*Himerta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: (*Himerta bisannulatus* Thomson) = *defectiva* Holmgren.

*Clepsiporthus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

Genotype: *Mesoleius*? *rubiginosus* Cresson.

*Himertus* Thomson, Opusc. Ent., 1883, 9: 926.

Genotype: (*Euryproctus* (*Himertus*) *bisannulatus* Thomson) = *defectiva* Holmgren.

*Neoprotarchus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10.

Genotype: *Neoprotarchus ater* Cushman.

**Himerta annulata** (Davis) new combination

*Lampronota annulata* Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Gaylord, Mich. (A.N.S.P.)]

**Himerta atra** (Cushman) new combination

*Neoprotarchus ater* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 10. ♀ (not ♂). [o.d., fig., Mill Valley, Calif. (U.S.N.M.)]

*Himertus ater* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]



**Himerta flavida** (Davis) new combination

*Clepsiorthus flavidus* Slosson, Ent. News, 1896, 7: 264. [N.H.] Nomen nudum.

*Clepsiorthus flavidus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

*Himertus flavidus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. [key]

*Himertus dakota* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 14. ♂ ?, ♀. [key, o.d., Spearfish, S.D. (U.S.N.M.)] New synonymy.

**Himerta rubiginosa** (Cresson)

*Mesoleius?* *rubiginosus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂. [o.d., Calif. (A.N.S.P.)]

*Clepsiorthus rubiginosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Calif., Ida., Kans., Va., Wash.]

*Himertus rubiginosus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 15. [key]

*Clepsiorthus rubiginosus* Criddle, Ann. Rpt. Ent. Soc. Ont. 1928, 58: 102. [Alta.]

**MESOLEIUS** Holmgren

*Mesoleius* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 69.

Genotype: *Tryphon aulicus* Gravenhorst.

*Alexeter* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. New synonymy.

Genotype: *Mesoleptus* (*Alexeter*) *ruficornis* Gravenhorst.

*Lagarotis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 205. New synonymy.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

*Oneïsta* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207.

Genotype: (*Oneïsta bohemani* Kriechbaumer) = *ustulatus* Holmgren.

*Aeolometis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 207.

New synonymy.

Genotype: *Scolobates italicus* Gravenhorst.

*Scopesis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.

New synonymy.

Genotype: *Mesoleius guttiger* Holmgren.

*Tachyporthus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Scolobates italicus* Gravenhorst.

*Spudaea* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 211.

Preoccupied by Snellen, 1867.

Genotype: *Trematopygus* (*Spudaea*) *clypearis* Brischke.

*Holmgrenia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 213.

New synonymy.

Genotype: *Holmgrenia lanceolata* Davis.

*Cryptocentrus* Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 156. Preoccupied by Ehrenberg, 1837.

Genotype: *Tryphon? submarginatus* Cresson.

*Spudaeus* Thomson, Opusc. Ent., 1883, 9: 932. Preoccupied by Gistel, 1848.

Genotype: *Tryphon leucostomus* Gravenhorst.

*Lagarotus* Thomson, Opusc. Ent., 1892, 17: 1880, 1881.

Genotype: *Ichneumon semicaligatus* Gravenhorst.

*Scopesus* Thomson, Opusc. Ent., 1894, 19: 2028.

Genotype: *Mesoleius guttiger* Holmgren.

*Aelometis* Thomson, Opusc. Ent., 1894, 19: 2034.

Genotype: *Scolobates italicus* Gravenhorst.

*Hyposyntactus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217.

Genotype: (*Hyposyntactus flavifrons* Ashmead) = *vancouverensis* Dalla Torre.

*Alfkenia* Pfankuch, Ztschr. Hymen. Dipt., 1906, 6: 89. New synonymy.

Genotype: *Ichneumon integrator* Müller.

***Mesoleius affinis* (Ashmead) new combination**

*Calliphyrurus affinis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀.

[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

***Mesoleius alaskensis* (Ashmead) new combination**

*Calliphyrurus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀.

[key, o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius antennatus* Provancher**

*Mesoleius antennatus* Provancher, Nat. Canad., 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

*Mesoleius antennatus* Provancher, Nat. Canad., 1879, 11: 260; (Faune p. 418). ♀. [key, o.d., Que. (M.P.Q., same type as *M. antennatus* Provancher, 1877)]

*Mesoleius antennatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

*Alexeter antennatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♀. [key, des., Canada, N.H.]

*Alexeter antennatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

***Mesoleius articularis* Davis**

*Mesoleius articularis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♀. [key, o.d., Wash. (A.N.S.P.), Colo.]

*Mesoleius articularis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. [des.]

**Mesoleius audax** Davis

*Mesoleius audax* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key, o.d., N.H. (A.N.S.P.), Colo.]

**Mesoleius aulicus** (Gravenhorst)

*Tryphon aulicus* Gravenhorst, Ichneum. Europeae, 1829, 2: 173. ♂, ♀. [o.d., Germany (?Breslau Mus.)]

*Mesoleius aulicus* Holmgren, Svensk. Vet.-Akad. Handl., 1854, 75: 69. [des., Sweden]

*Mesoleius tenthredinis* Morley, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 26. ♂, ♀. [o.d., England (British Mus.)] New synonymy.

*Mesoleius tenthredinis* Hewitt, Bull. Canad. Dept. Agr. Exp. Farms, 1912, (2d. ser.), 10: 25-28. [fig., biol., host b, Canada, England, Mich.]

*Mesoleius tenthredinis* Hewitt, Ann. Rpt. Ent. Soc. Ont., 1913, 42: 37. [syn., introduction of species into America]

*Mesoleius tenthredinis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Man.]

*Mesoleius tenthredinis* Hewitt, Agr. Gaz. Canada, 1917, 4: 355-357. [fig., biol., host b, England, Man.]

*Mesoleius tenthredinis* Criddle, Canad. Ent., 1928, 60: 51-53. [biol., host b, Man.]

(*Mesoleius aulicus*) Swaine, Pulp and Paper Mag. Canada, 1928, 26: 501. [biol., host a, Canada]

*Mesoleius tenthredinis* Smith and Graham, Jour. Econ. Ent., 1929, 22: 718. [host b, Ont.]

*Mesoleius tenthredinis* Graham, Canad. Ent., 1931, 63: 99-102. [biol., host b, Man., Ont., Que.]

*Mesoleius tenthredinis* Wier, Rpt. Minister Agr. Canada for 1931-32, 1932, p. 178. [Ont.]

*Mesoleius tenthredinis* deGryse, Forestry Chron., Sept. 1935, p. 8-9. [biol., host b, Man., Que.]

*Mesoleius tenthredinis* Hopping, Forestry Chron., 1935, 11: 260. [host b, B.C.]

*Mesoleius tenthredinis* Gardiner, Rpt. Minister Agr. Canada for 1935-36, 1936, p. 80. [host b, Que.]

*Mesoleius tenthredinis* Twinn, Ann. Rpt. Ent. Soc. Ont., 1937, 67: 85. [B.C.]

*Mesoleius tenthredinis* Dowden, Jour. Econ. Ent., 1937, 30: 381. [host b, "Great Lake Region," Mont.]

*Mesoleius tenthredinis* Hopping, Proc. Ent. Soc. B.C., 1937, 33: 47. [host b, B.C.]

*Mesoleius tenthredinis* Balch, Ann. Rpt. Dept. Lands Mines N.B., 1939, 102: 135. [host b, N.B.]

*Mesoleius tenthredinis* Balch, Rpt. N.S. Dept. Lands and Forests for 1940, 1941, p. 37. [host b, N.B.]

DIPRIONIDAE: a, *Diprion hercyniae*. TENTHREDINIDAE: b, *Pristiphora erichsonii*.

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**Mesoleius canaliculatus** (Provancher) new combination

- Paniscus canaliculatus* Provancher, Nat. Canad., 1874, 6: 105. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1874, 6: 106. ♂. [key, o.d., Que. (M.P.Q.)]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1879, 11: 146; (Faune p. 360). [key, des.]
- Mesoleptus canaliculatus* Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403). [key, des.]
- Paniscus albotarsatus* Provancher, Nat. Canad., 1882, 13: 363; (Faune p. 785). ♀. [des.]
- Mesoleptus canaliculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]
- Mesoleptus canaliculatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Alexeter canaliculatus* Slosson, Ent. News, 1896, 7: 264. [N.H.]
- Alexeter canaliculatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀. [key, des., Canada, N.H., N.Y., Pa., Wash.]
- Alexeter canaliculatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [Pa.]
- Paniscus albotarsatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]
- Alexeter canaliculatus* Ashmead, Psyche, 1901, 9: 148. ♂. [N.M.]
- Paniscus albotarsatus* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 109. [key, des.]
- Paniscus albotarsatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 281. [des.]
- Rogas canaliculatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [key, des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn., des.]
- Alexeter albotarsatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 42. [des.]
- Alexeter canaliculatus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43. [syn.]
- Alexeter albotarsatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Alexeter albotarsatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter canaliculatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]
- Alexeter albotarsatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 101. [Alta.]
- Rogas canaliculatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Paniscus albotarsatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

*Alexeter canaliculatus* Townes, Lloydia, 1938, 1: 222. [syn.]

*Alexeter canaliculatus* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

**Mesoleius chicoutimiensis** Provancher

*Mesoleius Chicoutimiensis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 368. ♀. [o.d., Chicoutimi, Que. (M.P.Q.)]

*Tryphon chicoutimiensis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Mesoleius chicoutimiensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

**Mesoleius clypeatus** (Ashmead) new combination

*Calliphyrurus clypeatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 220. ♂, ♀. [key, o.d., Alaska (U.S.N.M.)]

**Mesoleius comeau** \* new name

*Tryphon canaliculatus* Provancher, Nat. Canad., 1875, 7: 116. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Mesoleius* by Provancher, 1874.

*Tryphon canaliculatus* Provancher, Nat. Canad., 1875, 7: 311. [key]

*Mesoleius submarginatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [syn. (in part)]

**Mesoleius compos** (Davis) new combination

*Alexeter compos* Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Canada (A.N.S.P.)]

**Mesoleius conformus** Davis

*Mesoleius conformus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 300. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Colo., N.Y., Ore.]

**Mesoleius confusus** (Ashmead) new combination

*Calliphyrurus confusus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. ♂. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

**Mesoleius contractus** Davis

*Mesoleius contractus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key, o.d., Canada (A.N.S.P.)]

**Mesoleius cressoni** (Davis) new combination

*Holmgrenia cressoni* Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key, o.d., Tex. (A.N.S.P.)]

\* This species is named for Mr. Noel-M. Comeau who by his careful study of the Provancher collections has made an accurate identification of many of Provancher's species possible.

**Mesoleius difficilis** (Davis) new combination

*Rhaestes difficilis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♂. [key, o.d., Colo. (A.N.S.P.)]

**Mesoleius euurae** (Ashmead) new combination

*Bassus euurae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host *a*, Placer Co., Calif. (U.S.N.M.)]

*Bassus euurae* Marlatt, Proc. Ent. Soc. Wash., 1894, 3: 264. [host *a*]

*Tryphon euurae* Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

*Holmgrenia euurae* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂. [key, des.]

TENTHREDINIDAE: *a*, *Nematus resinicola*.

**Mesoleius excavatus** (Provancher)

*Tryphon excavatus* Provancher, Nat. Canad., 1875, 7: 310, 311. ♂. [key, o.d., Que. (M.P.Q.)]

*Tryphon excavatus* Provancher, Nat. Canad., 1879, 11: 254; (Faune p. 412). [key, des.]

*Tryphon excavatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 100. [key]

*Mesoleius excavatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Mesoleius excavatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

**Mesoleius fidelis** Davis

*Mesoleius fidelis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

*Mesoleius fidelis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Mesoleius fissus** Provancher

*Mesoleius fissus* Provancher, Nat. Canad., 1879, 11: 257; (Faune p. 415). ♂. [key, o.d., Douglastown, Que. (M.P.Q.)]

*Mesoleius fissus* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Mesoleius fissus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

*Lampronota? fissus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

**Mesoleius frigidus** (Ashmead) new combination

*Calliphururus frigidus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Popof Is., Alaska (U.S.N.M.)]

**Mesoleius groenlandicus** Roman

*Mesoleius groenlandicus* Roman, Ann. Mag. Nat. Hist., 1930, (10) 5: 285. ♂. [o.d., Matuola, Greenland (?Stockholm Mus.)]

**Mesoleius honestus** (Cresson) new combination

*Mesoleptus honestus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂, ♀.  
[o.d., N.J. (A.N.S.P.)]

*Mesoleptus albifrons* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂ (not ♀).  
[o.d., Conn. (A.N.S.P.)] New synonymy.

*Mesoleptus honestus* Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

*Mesoleptus honestus* Provancher, Nat. Canad., 1875, 7: 272. [key]

*Mesoleptus honestus* Provancher, Nat. Canad., 1879, 11: 227; (Faune p. 400).  
[key, des.]

*Mesoleptus honestus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.  
[key]

*Mesoleptus albifrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key,  
des.]

*Alexeter honestus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂, ♀. [key,  
des. Canada, Ill., N.H., N.J., N.Y., Pa.]

*Alexeter honestus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576.  
[N.J.]

*Alexeter honestus* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Rogas honestus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289.  
[key, des.]

*Mesoleptidea albifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
290. [key, des.]

*Alexeter honestus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.  
[N.Y.]

*Alexeter honestus* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

**Mesoleius incessans** (Davis) new combination

*Rhaestes incessans* Davis, Trans. Amer. Ent. Soc., 1898, 24: 311. ♀. [key,  
o.d., N.H. (A.N.S.P.), Colo.]

**Mesoleius innoxius** (Cresson) new combination

*Mesoleptus innoxius* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 371. ♂.  
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

*Mesoleptus innoxius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂, ♀.  
[key, des., B.C., Nev., Wash.]

**Mesoleius insidiosus** (Cresson) new combination

*Mesoleptus insidiosus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d.,  
Mass. (A.N.S.P.)]

*Mesoleius convergens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key,  
o.d., N.H. (A.N.S.P.)] New synonymy.

*Mesoleptus insidiosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂. [key,  
des.]

*Mesoleius convergens* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Mesoleius convergens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Mesoleius insularis* (Ashmead) new combination**

*Zootrephes insularis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 225. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Mesoleius intimatus* (Davis) new combination**

*Mesoleptus intimatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Colo. (A.N.S.P.), Mont.]

***Mesoleius kukakensis* (Ashmead) new combination**

*Calliphhrurus kukakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♀. [key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

***Mesoleius lanceolatus* (Davis) new combination**

*Holmgrenia lanceolata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♂, ♀. [key, o.d., Colo. (A.N.S.P.)]

***Mesoleius lituratus* var. *sahlbergi* Woldstedt**

(*Mesoleius lituratus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 147. ♂. [o.d., Lapponia, Sweden (? Stockholm Mus.)])

*Mesoleius Sahlbergi* Woldstedt, Bidrag till Kännedom af Finlands Natur och Folk, 1874, 21: 44. ♀. [o.d., "Funnen i Muonis och Enontekis af J. Sahlberg och Palmén," Finland (location of type unknown)]

*Mesoleius lituratus* var. *sahlbergi* Roman, Norw. Nov. Zemlya Exped., 1921, no. 14: 23, 25. [Russia, Sweden]

*Mesoleius lituratus* var. *sahlbergi* Poulton, Ann. and Mag. Nat. Hist., 1934, (10), 14: 53. [Labrador]

***Mesoleius lucens* (Provancher) new combination**

*Campoplex lucens* Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus lucens* Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). [key, des.]

*Mesoleptus lucens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

*Mesoleptus riparius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Grand Lodge, Mich. (A.N.S.P.), Canada] New synonymy.

*Mesoleptus lucens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Hadrodactylus affinis* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

*Alexeter riparius* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4. [syn. des.]



*Alexeter riparius* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Mesoleptus lucens* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Mesoleius luteifrons** (Cresson) new combination

*Mesoleptus luteifrons* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 99. ♂. [o.d., Fort Resolution, Great Slave Lake, N.W. Terr. (A.N.S.P.)]

*Alexeter luteifrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂. [key, des.]

**Mesoleius minor** (Ashmead) new combination

*Calliphururus minor* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♂, ♀. [key, o.d., St. Paul Is., Alaska (A.N.S.P.)]

**Mesoleius nigralis** (Davis) new combination

*Mesoleptus nigralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key, o.d., Franconia, N.H. (A.N.S.P.)]

**Mesoleius nigropictus** (Davis) new combination

*Lampronota nigropicta* Davis, Trans. Amer. Ent. Soc., 1895, 21: 31. ♂. [o.d., Agricultural College, Mich. (A.N.S.P.)]

*Lampronota nigropicta* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Mesoleptus pictus* (as *Mesoleptus distinctus* in key) Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂, ♀. [key, o.d., Canada (A.N.S.P.), Colo., N.H.]

New synonymy.

*Scopasis* (!) *monticola* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

*Scopesis monticola* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. ♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.

*Scopesis pictus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. [syn.]

*Lampronota nigropicta* Brimley, Suppl. Insects of N.C., 1942, p. 30. [N.C.]

**Mesoleius notatus** (Davis) new combination

*Alexeter notatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 321. ♂. [key, o.d., Mt. Hood, Ore. (A.N.S.P.)]

**Mesoleius nuperus** Davis

*Mesoleius nuperus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♀. [key, o.d., N.H. (A.N.S.P.)]

*Mesoleius idahoensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♂, ♀. [key, o.d., Moscow, Ida. (A.N.S.P.), Colo.] New synonymy.

**Mesoleius ovalis** (Davis) new combination

*Spudaea ovale* Davis, Trans. Amer. Ent. Soc., 1898, 24: 291. ♂, ♀. [o.d., N.H. (A.N.S.P.), Colo., Mich.]

*Spudaea ovalis* Hopping, Canad. Ent., 1937, 69: 248. [host *a*, B.C.]

TENTHREDINIDAE: *a*, *Hemichroa crocea*.

**Mesoleius perplexus** (Ashmead) new combination

*Calliphururus perplexus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂.  
[key, o.d., Popof Is., Alaska (U.S.N.M.)]

**Mesoleius pertinax** Davis

*Mesoleius pertinax* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀.  
[key, o.d., N.H. (A.N.S.P.), Colo.]

**Mesoleius picens** (Davis) new combination

*Holmgrenia picens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀. [key,  
o.d., Colo. (A.N.S.P.)]

**Mesoleius provancheri** (Cushman) new combination

*Mesoleptus variabilis* Provancher, Nat. Canad., 1883, 14: 7; (Faune p. 795).  
♀. [o.d., Que. (M.P.Q.)] Preoccupied by Provancher, 1875.

*Mesoleptus variabilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94.  
[key]

*Euryproctus sentiris* (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn.  
(in part)]

*Mesoleptus provancheri* Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. New  
name for *Mesoleptus variabilis* Provancher, 1883.

**Mesoleius pulchranotus** Davis

*Mesoleius pulchranotus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂.  
[key, o.d., Tex. (A.N.S.P.)]

*Mesoleius pulchranotus* (!) Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 946. [N.Y.]

**Mesoleius robustus** (Provancher) new combination

*Eclytus robustus* Provancher, Nat. Canad., 1883, 14: 8; (Faune p. 795). ♀.  
[o.d., Que. (M.P.Q.)]

*Eclytus robustus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

*Eclytus robustus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

**Mesoleius rufopectus** (Provancher) new combination

*Tryphon rufopectus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 367.  
♂. [o.d., St. Gertrude, Que. (M.P.Q.)]

*Tryphon rufopectus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key.]

**Mesoleius scapularis** (Cresson)

*Mesoleptus scapularis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 98. ♂. [o.d., Conn. (A.N.S.P.)]

*Mesoleius scapularis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key, des., Calif., Conn., Mont., Wash.]

*Mesoleius scapularis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

**Mesoleius sexcarinatus** (Ashmead) new combination

*Polyterus sexcarinatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♀. [o.d., Alaska (U.S.N.M.)]

**Mesoleius stejnegeri** Ashmead

*Mesoleius stejnegeri* Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 337. ♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

*Mesoleius stejnegeri* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 223. [Alaska]

**Mesoleius striatus** Davis

*Mesoleius striatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♂, ♀. [key, o.d., N.H. (A.N.S.P.)]

*Dizemon regalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., N.H. (A.N.S.P.)] New synonymy.

*Mesoleius striatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

**Mesoleius submarginatus** (Cresson)

*Tryphon* ? *submarginatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 274. ♂. [o.d., Ill. (A.N.S.P.)]

*Tryphon submarginatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. [des., B.C., Conn., Ill., Me., Mass., N.W. Terr.]

*Cryptocentrus submarginatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 157. ♀. [des.]

*Tryphon submarginatus* Provancher, Nat. Canad., 1875, 7: 118. ♂, ♀. [key, des., Que.]

*Mesoleius submarginatus* Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, syn., des. (in part)]

*Mesoleius submarginatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]

*Mesoleius submarginatus* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Mesoleius submarginatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♂, ♀. [key, syn. (in part), des., Calif., Canada, Colo., Mass., Mich., Nev., N.H., N.Y., Tex., Wash.]

*Mesoleius submarginatus* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Mesoleius submarginatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 292. ♂, ♀. [key, des.]

- Mesoleius submarginatus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]  
*Mesoleius submarginatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]  
*Mesoleius submarginatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 947. [N.Y.]  
*Mesoleius submarginatus* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

**Mesoleius tardus** (Provancher)

- Tryphon tardus* Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que. (M.P.Q.)]  
*Mesoleius tardus* Provancher, Nat. Canad., 1879, 11: 259; (Faune p. 417). [key, des.]  
*Mesoleius tardus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105. [key]  
*Mesoleius tardus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]  
*Mesoleptus tardus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 314. ♀. [key, des., Canada, N.H.]

**Mesoleius tarsalis** (Cresson) new combination

- Tryphon tarsalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♂, ♀. [o.d., Conn. (A.N.S.P.)]  
*Holmgrenia tarsalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 293. ♀. [key, des.]  
*Holmgrenia tarsalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♀. [des., Conn.]  
*Holmgrenia tarsalis* Brimley, Insects of N.C., 1938, p. 412. [N.C.]  
*Alexeter tarsalis* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [syn., biol.]

**Mesoleius vancouverensis** (Dalla Torre) new combination

- Mesoleius? laetus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 372. ♂. [o.d., Vancouver Is., B.C. (A.N.S.P.)] Preoccupied by Gravenhorst, 1829.  
*Mesoleius laetus* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]  
*Mesoleptus laetus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 315. ♂. [key, des., B.C.]  
*Mesoleptus vancouverensis* Dalla Torre, Cat. Hymén., 1901, 3: 365. New name for *Mesoleius laetus* Cresson.  
*Hyposyntactus flavifrons* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 217. ♂. [o.d., fig., Juneau, Alaska (U.S.N.M.)] New synonymy.  
*Scopesis flavifrons* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 26. [syn.]

**Mesoleius visoris** Davis

- Mesoleius visoris* Davis, Trans. Amer. Ent. Soc., 1898, 24: 296. ♂, ♀. [key, o.d., Agricultural College, Mich. (A.N.S.P.)]

*Mesoleius convexus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. ♀. [key, o.d., N.H. (A.N.S.P.)] New synonymy.

*Mesoleius convexus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

*Mesoleius visoris* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Mesoleius zebratus** (Davis) new combination

*Mesoleptus zebratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.)]

*Mesoleptidea zebrata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

**LAMACHUS** Foerster

*Adexioma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206. New synonymy.

Genotype: *Adexioma angularia* Davis.

*Lamachus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon lophyrorum* Hartig.

*Torocampus* Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2797. New synonymy.

Genotype: *Tryphon eques* Schmiedeknecht.

**Lamachus angularius** (Davis) new combination

*Adexioma angularia* Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., Wash. (A.N.S.P.)]

*Lamachus oregon* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀. [o.d., host a, Sweet Home, Ore. (U.S.N.M.)] New synonymy.

*Lamachus oregon* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51. [biol., host a, Ore.]

DIPRIONIDAE: a, *Neodiprion tsugae*.

**Lamachus contortionis** Davis

*Lamachus? contortionis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 284. ♀. [o.d., D.C. (A.N.S.P.)]

*Lagarotis diprioni* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 217. ♂, ♀. [o.d., host c, Falls Church, Va. (U.S.N.M.)]

*Lagarotis* (!) *diprioni* Middleton, Jour. Agr. Res., 1921, 20: 757. [host c]

*Lagarotis diprioni* Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

*Lagarotis diprioni* Champlain, Psyche, 1922, 29: 99. [host c, Pa.]

*Lamachus contortionis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

*Lamachus contortionis* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

*Lamachus contortionis* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host a b, Canada]

DIPRIONIDAE: a, *Diprion hercyniae*; b, *Neodiprion abietis*; c, *Neodiprion lecontei*.

**Lamachus lophyri** (Ashmead)

*Neoeryma lophyri* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂, ♀.  
[o.d., host *c*, Canobie Lake, N.H. (U.S.N.M.)]

*Neoeryma lophyri* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, N.H.]

*Lamachus lophyri* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

*Lamachus lophyri* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 5. [host *a*, Canada]

DIPRIONIDAE: *a*, *Neodiprion abietis*; *b*, *Neodiprion abbotii*; *c*, *Neodiprion* sp.

**Lamachus ruficoxalis** (Cushman)

*Labrossyta ruficoxalis* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 118. ♀.  
[o.d., host *a*, Aweme, Man. (U.S.N.M.)]

*Lamachus ruficornis* (!) Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400.  
Lapsus for *ruficoxalis*.

DIPRIONIDAE: *a*, *Diprion hercyniae*.

**Lamachus tsugae** Cushman

*Lamachus tsugae* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 401. ♂, ♀.  
[o.d., host *a*, Sweet Home, Ore. (U.S.N.M.)]

*Lamachus tsugae* Furniss and Dowden, Jour. Econ. Ent., 1941, 34: 49, 51.  
[biol., host *a*, Ore.]

DIPRIONIDAE: *a*, *Neodiprion tsugae*.

**Lamachus virginianus** (Rohwer)

*Lagarotis virginianus* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 218. ♂. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)]

*Lagarotis* (!) *virginiana* Middleton, Jour. Agr. Res., 1921, 20: 757. [host *a*]

*Lagarotis virginiana* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

*Lamachus virginianus* Cushman, Jour. Wash. Acad. Sci., 1939, 29: 400. [syn.]

DIPRIONIDAE: *a*, *Neodiprion lecontei*.

**SAOTIS** Foerster

*Saotis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson.

*Saotus* Thomson, Opusc. Ent., 1883, 9: 933.

Genotype: *Mesoleius* (*Saotus*) *brevispina* Thomson. By present designation.

**Saotis clypeatus** (Ashmead) new combination

*Exolytus clypeatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 168. ♀. [key, o.d., fig., Popof Is., Alaska (U.S.N.M.)]

**Saotis hoeli** Roman

*Saotis Hoeli* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9. ♀. [o.d., Ymerøya an der Mündung d. Sofiasund, Greenland (?Stockholm Mus.)]

*Saotis heoli* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. ♀. [des., Greenland]

**Saotis mellipes** (Provancher) new combination

*Echthrus mellipes* Provancher, Nat. Canad., 1874, 6: 60. ♂, ♀. [o.d., Que. (M.P.Q.)]

*Mesoleius mellipes* Provancher, Nat. Canad., 1879, 11: 258; (Faune p. 416). [key, des.]

*Mesoleius mellipes* Provancher, Addit. Faune Canada. Hymén., 1886, p. 105. [key]

*Mesoleius mellipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 298. [key, des., Can., N.H., N.Y., Wash.]

*Mesoleius mellipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293. ♂, ♀. [key, des.]

*Mesoleius mellipes* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Mesoleius mellipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

*Mesoleius mellipes* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 411. [Me.]

## Subfamily 6. MESOLEIINAE

## Tribe 6. EURYPROCTINI

**SYNOMELIX** Foerster

*Zemiophora* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 203. New synonymy.

Genotype: *Tryphon scutulatus* Hartig.

*Synomelix* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Synomelix sieboldii* Kriechbaumer.

*Zemiophorus* Thomson, Opusc. Ent., 1894, 19: 2000.

Genotype: *Tryphon scutulatus* Hartig.

**Synomelix fasciata** (Davis) new combination

*Dialges fasciatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♂. [key, o.d., Mass. (A.N.S.P.)]

**Synomelix longitarsis** (Ashmead) new combination

*Synchnoportus longitarsis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d., Kukak Bay, Alaska (U.S.N.M.)]

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**Synomelix obesa** (Davis) new combination

*Stiphrosomus obesa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 312. ♀. [o.d., Va. (A.N.S.P.)]

*Stiphrosomus obesus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Synomelix signatipes** (Cresson) new combination

*Tryphon signatipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♀. [o.d., Hudson Bay Territory (A.N.S.P.)]

*Trematopygus signatipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 277. ♀. [key, des.]

**DIALGES** Foerster

*Trophoctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.  
New synonymy.

Genotype: *Tryphon xanthostomus* Gravenhorst.

*Pantorhaestes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Tryphon xanthostomus* Gravenhorst.

*Dialges* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 206.

Genotype: *Dialges frontalis* Davis.

**Dialges frontalis** Davis

*Dialges frontalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 285. ♂, ♀. [key, o.d., N.H. (A.N.S.P.), Mich., Colo., Ind.]

*Dialges frontalis* Nason, Ent. News, 1905, 16: 170. [Ill.]

*Dialges frontalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 293.  
[key]

*Dialges frontalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Dialges frontalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946.  
[N.Y.]

*Dialges frontalis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Dialges rivalis** Davis

*Dialges frontalis* var. *rivalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 286. ♀.  
[key, o.d., Philadelphia, Pa. (A.N.S.P.), Mich.]

*Dialges rivalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]

*Dialges frontalis* var. *rivalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 293. [key]

**Dialges tricolor** Davis, new combination

*Dialges frontalis* var. *tricolor* Davis, Trans. Amer. Ent. Soc., 1898, 24: 285.  
♂, ♀. [key, o.d., Mont. (A.N.S.P.), Ill., Mass., N.H.]

*Dialges frontalis* var. *tricolor* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1:  
134. [Me.]



**MESOLEPTIDEA** Viereck

*Mesoleptus* of authors, not of the genotype.

*Mesoleptidea* Viereck, Proc. Ent. Soc. Wash., 1912, 14: 176.

Genotype: *Mesoleptus cingulatus* Gravenhorst.

**Mesoleptidea decens** (Cresson)

*Mesoleptus decens* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 101. ♂. [o.d., W.Va. (A.N.S.P.), Conn.]

*Mesoleptus decens* Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, des., Que.]

*Mesoleptus decens* Provancher, Addit. Faune Canada, Hymén., 1886, p. 93. [key]

*Mesoleptus decens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 316. ♂, ♀. [key, des., Colo., Conn., N.H., Va.]

*Mesoleptus decens* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.Y.]

*Eclytus decens* Dalla Torre, Cat. Hymén., 1901, 3: 379. [syn. (in part)]

*Mesoleptidea decens* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. ♂, ♀. [key, des.]

*Mesoleptidea decens* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Mesoleptidea decens* Cushman, Mem. Cornell Univ. Agric. Exp. Sta., 1928, 101: 945. [N.Y.]

*Mesoleptus decens* Walley, Canad. Ent., 1933, 65: 255. [syn.]

**Mesoleptidea kodiakensis** (Ashmead) new combination

*Hypocryptus kodiakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂. [key, o.d., Kodiak, Alaska (U.S.N.M.)]

**Mesoleptidea unalaskae** (Ashmead) new combination

*Mesoleptus unalaskae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 210. ♀. [o.d., Unalaska, Alaska (U.S.N.M.)]

**POLYTERUS** Foerster

*Sychnoportus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208. New synonymy.

Genotype: (*Sychnoportus rufopectus* Ashmead) = *olympiae* Ashmead.

*Listrota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New synonymy.

Genotype: *Phobetes canadensis* Harrington.

*Polyterus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.

Genotype: *Polyterus franconiaensis* Davis.

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*Camponastes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.  
New synonymy.

Genotype: *Camponastes basilicus* Davis.

***Polyterus basilicus* (Davis) new combination**

*Camponastes basilicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 292. ♀. [o.d.,  
Vt. (A.N.S.P.)]

***Polyterus canadensis* (Davis) new combination**

*Phobetes canadensis* Harrington, Canad. Ent., 1894, 26: 248. ♀. [o.d., Vic-  
toria, B.C. (C.N.C.)]

*Listrota canadensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀. [des.]

***Polyterus consors* (Davis) new combination**

*Mesoleius consors* Davis, Trans. Amer. Ent. Soc., 1898, 24: 297. ♀. [key,  
o.d., N.H. (A.N.S.P.)]

***Polyterus franconiaensis* Davis**

*Polyterus franconiaensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 289. ♀.  
[o.d., Franconia, N.H. (A.N.S.P.)]

***Polyterus olympiae* (Ashmead)**

*Mesoleius olympiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 199. ♀. [o.d.,  
host *e*, Olympia, Wash. (U.S.N.M.)]

*Sychnoportus rufopectus* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 169. ♂.  
[o.d., host *d*, Canobie Lake, N.H. (U.S.N.M.)] New synonymy.

*Sychnoportus rufopectus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host  
*c*, N.H.]

*Polyterus olympiae* Davis, Trans. Amer. Ent. Soc., 1898, 24: 290. ♂, ♀.  
[des.]

*Hypamblys olympiae* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lap-  
pland, 1909, 4: 321. [syn.]

*Polyterus olympiae* Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23.  
[host *a*, Va.]

*Polyterus olympiae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
946. [host *b*, N.Y.]

TENTHREDINIDAE: *a*, *Nematus alnivora*; *b*, *Nematus ventralis*; *c*, tenthredinid on  
*Populus tremuloides*; *d*, tenthredinid. Miscellaneous: *e*, sawfly on *Salix* sp.

***Polyterus virginienensis* (Ashmead) new combination**

*Bassus virginienensis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♀. [o.d.,  
Va. (U.S.N.M.)]

*Tryphon virginienensis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. [syn.]

- Holmgrenia virginiensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 294. ♀.  
[key, des.]
- Mesoleius puritanicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 299. ♀. [key,  
o.d., N.H. (A.N.S.P.)] New synonymy.
- Polyterus albipectus* Walley, Canad. Ent., 1937, 69: 192. ♂, ♀. [o.d.,  
Cascapedia River, Gaspé Co., Que. (C.N.C.)] New synonymy.
- Holmgrenia virginiensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

## SYNDIPNUS Foerster

- Polypstis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 208.  
Genotype: *Tryphon lateralis* Gravenhorst.
- Syndipnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209.  
Genotype: *Euryproctus* (*Syndipnus*) *macrocerus* Thomson.
- Tlemon* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 209. New  
synonymy.  
Genotype: *Tlemon delicatus* Ashmead.
- Neastus* Holmgren, Ent. Tidskr., 1883, 4: 154.  
Genotype: *Neastus laeviceps* Holmgren.
- Anaglymmus* Roman, Arkiv för Zoologi, 1914, 9, no. 2: 3. New synonymy.  
Genotype: *Anaglymmus incisus* Roman.

**Syndipnus alaskensis** Walley

- Syndipnus alaskensis* Walley, Canad. Ent., 1940, 72: 138. ♂, ♀. [key, o.d.,  
Mt. McKinley National Park, Alaska (U.S.N.M.), N.W. Terr.]

**Syndipnus delicatus** (Ashmead) new combination

- Tlemon delicatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 216. ♂. [o.d.,  
Kukak Bay, Alaska (U.S.N.M.)]

**Syndipnus gaspesianus** (Provancher)

- Tryphon gaspesianus* Provancher, Nat. Canad., 1879, 11: 252; (Faune p. 410).  
♀. [key, o.d., Douglastown, Que. (M.P.Q.)]
- Polyblastus gaspesianus* Provancher, Addit. Faune Canada, Hymén., 1886, p.  
107. [key]
- Tryphon gaspesianus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189, 190.  
[syn.]
- Tryphon gaspesianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]
- Syndipnus gaspesianus* Walley, Canad. Ent., 1940, 72: 143. ♂, ♀. [key,  
des., fig., host a, Que.]
- TENTHREDINIDAE: a, *Pikonema alaskensis*.

**Syndipnus lateralis** (Gravenhorst)

*Tryphon lateralis* Gravenhorst, Ichneum. Europeae, 1829, 1: 690. [o.d., Netley, England (?Breslau Mus.)]

*Syndipnus lateralis* Pfankuch, Ztschr. Hymen. Dipt., 1907, 7: 19. [syn., des.]

*Syndipnus lateralis* Walley, Canad. Ent., 1940, 72: 137. ♂, ♀. [key, des., fig., host *a*, Alta., ?Colo., N.Y.]

TENTHREDINIDAE: *a*, *Pachynematus affinis*.

**Syndipnus pannicularius** (Holmgren)

*Mesoleius pannicularius* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 178.

♀. [o.d., Qvickjock, Lappland, Sweden (type lost?)]

*Syndipnus pannicularius* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 315. [syn.]

*Syndipnus pannicularius* Walley, Canad. Ent., 1940, 72: 138. ♀. [key, des., fig., Alaska]

**Syndipnus probatus** Walley

*Syndipnus probatus* Walley, Canad. Ent., 1940, 72: 144. ♂, ♀. [key, o.d., fig., host *a*, Plattsburg, N.Y. (U.S.N.M.), ?Calif.]

TENTHREDINIDAE: *a*, *Nematus vertebratus*.

**Syndipnus rubiginosus** Walley

*Syndipnus rubiginosus* Walley, Canad. Ent., 1940, 72: 140. ♂, ♀. [key, o.d., fig., host *a b*, Kelly's Camp, Cascapedia River, Gaspé Co., Que. (C.N.C.), N.B., Sask.]

TENTHREDINIDAE: *a*, *Pikonema alaskensis*; *b*, *Pikonema dimmockii*.

**Syndipnus ungavae** Walley

*Syndipnus ungavae* Walley, Canad. Ent., 1940, 72: 139. ♀. [key, o.d., fig., Port Burwell, Hudson Strait, Que. (C.N.C.)]

**HYPAMBLYS** Foerster

*Hypamblys* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 212.

Genotype: (*Mesoleius transfuga* Holmgren) = *albopictus* Gravenhorst.

**Hypamblys albifacies** (Provancher) new combination

*Mesostenus albifacies* Provancher, Addit. Faune Canada, Hymén., 1888, p. 362.

♀. [o.d., Ottawa, Ont. (M.P.Q.)]

*Mesoleptus albifacies* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 187. [syn.]

*Mesoleptus albifacies* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

**Hypamblys albopictus** (Gravenhorst)

*Tryphon albopictus* Gravenhorst, Ichneum. Europeae, 1829, 2: 255. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]

*Mesoleius transfuga* Holmgren, Svensk. Vet.-Akad. Handl., 1855, 1: 164. ♂, ♀. [o.d., southern Lappland (?Stockholm Mus.)]

*Euryproctus transfuga* Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

*Calliphururus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 221. ♀. [key, o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Calliphururus glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 222. ♂. [key, o.d., Juneau, Alaska (U.S.N.M.)] New synonymy.

*Hypamblys albopictus* Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2791. [key, syn., des., host, northern and central Europe]

*Hypamblys albopictus* Roman, Arkiv. för Zoologi, 1916, 10, no. 22: 3. [Lundbeck determination queried]

*Mesoleius gymnonychi* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host b, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

*Calliphururus popofensis* Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 419. [host a, Me.]

TENTHREDINIDAE: a, *Caliroa cerasi*; b, *Pristiphora californica*.

**Hypamblys conformis** (Walley) new combination

*Ipoctonus conformis* Walley, Canad. Ent., 1933, 65: 257. ♂, ♀. [o.d., Turkey Point, Norfolk Co., Ont. (C.N.C.)]

*Ipoctonus conformis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**IPOCTONINUS** Hincks

*Ipoctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199. Preoccupied by Heine, 1860.

Genotype: *Ichneumon chrysostomus* Gravenhorst.

*Ipoctoninus* Hincks, Trans. Ent. Soc. London, 1944, (B) 13: 35. New name for *Ipoctonus* Foerster.

**Ipoctoninus egregius** (Davis) new combination

*Mesoleptus egregius* Davis, Trans. Amer. Ent. Soc., 1898, 24: 317. ♂. [key, o.d., Wash. (A.N.S.P.)]

**Ipoctoninus striatus** (Davis) new combination

*Mesoleptus striatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂. [key, o.d., Colo. (A.N.S.P.)]

*Mesoleptus torpens* Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo.] New synonymy.

*Mesoleptus scrupulosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 318. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Nev.] New synonymy.

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*Mesoleius balteatus* Cushman, Proc. U. S. Nat. Mus., 1919, 55: 541. ♀. [o.d., host *a*, Wenatchee, Wash. (U.S.N.M.)] New synonymy.

*Mesoleius balteatus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3, fig. 10 B. [biol.]

TENTHREDINIDAE: *a*, *Ametastegia glabrata*.

**Ipoctoninus unicolor** (Provancher) new combination

*Campoplex unicolor* Provancher, Nat. Canad., 1874, 6: 144. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus uniformis* Provancher, Nat. Canad., 1879, 11: 232; (Faune p. 405). [key, des.] New name for *Campoplex unicolor* Provancher.

*Mesoleptus uniformis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [syn.]

*Mesoleptus uniformis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

**HYPERALLUS** Foerster

*Hyperallus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 210.

Genotype: *Hyperallus caliroae* Viereck.

**Hyperallus caliroae** Viereck

*Hyperallus caliroae* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 189. ♂, ♀. [o.d., host *a*, Tallulah, La. (U.S.N.M.)]

*Hyperallus caliroae* Cushman, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 97, part 5: 101-102. [fig., biol., host *a*, La.]

TENTHREDINIDAE: *a*, *Caliroa amygdalina*.

**Hyperallus virginiensis** new name

*Polyterus caliroae* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 221. ♂. [o.d., host *a*, Falls Church, Va. (U.S.N.M.)] Preoccupied in *Hyperallus* by Viereck, 1911.

TENTHREDINIDAE: *a*, *Caliroa* sp. on *Quercus rubra*.

**ANISOTACRUS** Schmiedeknecht

*Anisotacrus* Schmiedeknecht, Opusc. Ichneum., 1913, 5: 2710, 2725.

Genotype: *Mesoleius tenellus* Holmgren.

**Anisotacrus assiduus** (Cresson) new combination

*Mesoleptus assiduus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂. [o.d., Mass. (A.N.S.P.)]

*Clepsiorthus assiduus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, des., Mass., Mont.]

*Pantorhaestes assiduus* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 313. [syn.]

**Anisotacrus excavatus** (Davis) new combination

*Erigloea excavata* Davis, Trans. Amer. Ent. Soc., 1897, 24: 275. ♀. [key, o.d., Mont. (A.N.S.P.), Mass.]

**Anisotacrus flavifrons** (Cresson) new combination

*Mesoleptus flavifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 269. ♂. [o.d., N.J. (A.N.S.P.)]

*Zemiodes flavifrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂. [key, des.]

*Zemiodes flavifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]

*Zemiodes flavifrons* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [des.]

**Anisotacrus popofensis** (Ashmead) new combination

*Hypocryptus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♀ (not ♂). [key, o.d., Popof Is., Alaska (U.S.N.M.)]

**Anisotacrus spatiosus** (Davis) new combination

*Syncoleter spatiosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 306. ♀. [o.d., Canada (A.N.S.P.)]

**Anisotacrus truncatus** (Davis) new combination

*Clepsiorthus truncatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 326. ♂, ♀. [key, o.d., Mont. (A.N.S.P.), Canada]

**HADRODACTYLUS** Foerster

*Hadrodactylus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.  
Genotype: *Ichneumon typhae* Fourcroy.

*Zemiodes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.  
Genotype: (*Zemiodes coloradensis* Davis) = *inceptus* Cresson.

*Gunomeria* Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 625.  
Genotype: *Mesoleptus* (*Gausocentrus*) *macrodactylus* Holmgren.

**Hadrodactylus coxatus** Davis, new combination

*Hadrodactylus elongatus* var. *coxatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., Mich. (A.N.S.P.), N.Y., S.D.]

**Hadrodactylus elongatus** (Cresson)

*Mesoleptus elongatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀. [o.d., Mass. (A.N.S.P.)]

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*Hadrodactylus elongatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.  
[key, syn., des. (in part) Canada, Mass., Mich., Nev.]

*Hadrodactylus elongatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

***Hadrodactylus femoratus* Davis, new combination**

*Hadrodactylus elongatus* var. *femoratus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, o.d., N.Y. (A.N.S.P.), Colo., Ida., Mich.]

*Hypocryptus seldoviae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂, ♀.  
[key, o.d., Alaska (U.S.N.M.)] New synonymy.

*Hadrodactylus seldoviae* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 307. [syn.]

*Hadrodactylus elongatus* var. *femoratus* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]

*Hadrodactylus elongatus* var. *femoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

*Hadrodactylus elongatus* var. *femoratus* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

***Hadrodactylus flavicornis* (Provancher) new combination**

*Mesoleptus flavicornis* Provancher, Nat. Canad., 1879, 11: 228; (Faune p. 401). ♀. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus flavicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Mesoleptus flavicornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [des.]

***Hadrodactylus inceptus* (Cresson)**

*Mesoleptus inceptus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 96. ♂, ♀.  
[o.d., Mass. (A.N.S.P.), Conn.]

*Mesoleptus propinquus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 97. ♂.  
[o.d., Del. (A.N.S.P.), Mass.] New synonymy.

*Mesoleptus eximius* Provancher, Nat. Canad., 1875, 7: 271. ♂. [Que.] Mis-determined.

*Mesoleptus Sancti-Hyacinthi* Provancher, Nat. Canad., 1875, 7: 251, 272. ♂.  
[key, o.d., Mt. Yamaska, Que. (M.P.Q.)]

*Mesoleptus inceptus* Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 339). [key, syn., des.]

*Mesoleptus inceptus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Synoecetes propinquus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 279. ♂.  
[key, des., Del., Mass.]

*Hadrodactylus inceptus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. ♂, ♀.  
[key, des., Canada, Colo., Mass., Mont., Nev., N.H., Wash.]

*Zemiodus coloradensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂, ♀.  
[key, o.d., Colo. (A.N.S.P.)] New synonymy.



- Mesoleptus inceptus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 576. [N.J.]
- Synoecetes propinquus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 578. [N.J.]
- Hadrodactylus inceptus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. [key]
- Synoecetes propinquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 295. [key]
- Hadrodactylus inceptus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]
- Hadrodactylus inceptus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Hadrodactylus inceptus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Hadrodactylus laurentianus* (Provancher) new combination**

- Tryphon Laurentianus* Provancher, Nat. Canad., 1875, 7: 118. ♂. [key, o.d., Que. (M.P.Q.)]
- Mesoleptus Laurentianus* Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 339). [key, syn., des.]
- Mesoleptus Laurentianus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]
- Mesoleptus laurentianus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

***Hadrodactylus longicornis* (Cresson)**

- Mesoleptus longicornis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 270. ♂. [o.d., Del. (A.N.S.P.)]
- Mesoleptus longicornis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [Del., Me.]
- Hadrodactylus longicornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♂, ♀. [key, des., Colo., Del., Me., Mass.]
- Hadrodactylus longicornis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 290. [key, des.]

***Hadrodactylus magnacornis* (Davis) new combination**

- Zemiods magnacornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 324. ♂. [o.d., Wash. (A.N.S.P.)]

***Hadrodactylus seminiger* (Provancher)**

- Paniscus seminiger* Provancher, Nat. Canad., 1874, 6: 107. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
- Mesoleptus seminiger* Provancher, Nat. Canad., 1879, 11: 230; (Faune p. 403). [key, des.]
- Mesoleptus seminiger* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95. [key]

- Hadrodactylus ruficornis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 320. ♀.  
[key, o.d., Colo. (A.N.S.P.), Mont., Nev.]
- Alexeter seminiger* Davis, Trans. Amer. Ent. Soc., 1898, 24: 322. ♂, ♀.  
[key, des.]
- Clepsiorthus? seminiger* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.  
[syn.]
- Alexeter seminiger* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Hadrodactylus seminiger* Townes, Lloydia, 1939, 1: 222. [syn.]

***Hadrodactylus tibialis* (Ashmead) new combination**

- Hypocryptus tibialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 209. ♂. [key,  
o.d., Popof Is., Alaska (U.S.N.M.)]

***Hadrodactylus typhae* (Fourcroy) \***

- Ichneumon typhae* Fourcroy, Entomologica Parisiensis, 1785, 2: 413. [o.d.,  
(?Paris, France) (location of type unknown)] †
- Hadrodactylus typhae* Kriechbaumer, Ent. Nachr., 1891, 17: 133. ♂, ♀.  
[des., Europe]
- Hadrodactylus typhae* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lap-  
pland, 1909, 4: 308. [key, des., Ky., Sweden]

***Hadrodactylus variegatipes* (Ashmead) new combination**

- Hypocryptus variegatipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 208. ♂.  
[key, o.d., St. Paul Is., Alaska (U.S.N.M.)]

**EURYPROCTUS** Holmgren

- Euryproctus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 109.

Genotype: *Mesoleptus annulatus* Gravenhorst.

- Fovaya* Cameron, Ztschr. Hymen. Dipt., 1903, 3: 341.

Genotype: *Fovaya annulicornis* Cameron

***Euryproctus albocinctus* Davis**

- Euryproctus albocinctus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.  
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

***Euryproctus albopunctus* Davis**

- Euryproctus albopunctus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♂, ♀.  
[key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

\* Occurrence in the Nearctic Region needs confirmation.

† This reference not seen.

**Euryproctus annulatipes** (Provancher) new combination

*Mesoleptus annulatipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 96.

♂. [key, o.d., Sherbrook, Que. (M.P.Q.)]

*Mesoleptus annulatipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

**Euryproctus bituminosus** Davis

*Euryproctus bituminosus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀.

[key, o.d., N.H. (A.N.S.P.)]

**Euryproctus clavatus** (Provancher)

*Exetastes clavatus* Provancher, Faune Ent. Canada, Hymén., 1883, p. 386. ♀.

[key, o.d., Cap Rouge, Que. (type lost)]

*Euryproctus clavatus* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

**Euryproctus curvator** Davis

*Tryphon annulatus* Provancher, Nat. Canad., 1875, 7: 119. ♀. [key, o.d., Que. (M.P.Q.)] Preoccupied in *Euryproctus* by Gravenhorst, 1829.

*Mesoleptus annulatus* Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). [key, des.]

*Mesoleptus annulatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Hadrodactylus elongatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 319. [syn. (in part)]

*Euryproctus curvator* Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂. [key, des., Canada (A.N.S.P.), Hudson Bay Terr., N.H.]

*Euryproctus curvator* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Euryproctus dakotaensis** Davis

*Euryproctus dakotaensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♂. [key, o.d., Brookings, S.D. (A.N.S.P.)]

**Euryproctus depressus** (Provancher) new combination

*Mesoleptus depressus* Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus depressus* Provancher, Nat. Canad., 1875, 7: 272. [key]

*Mesoleptus depressus* Provancher, Nat. Canad., 1879, 11: 226; (Faune p. 399). [key, des.]

*Mesoleptus depressus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Ipoctonus depressus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 313. ♂. [des., Mass.]

*Stiphrosomus fucatus* Walley, Canad. Ent., 1937, 69: 190. [syn. (in part)]

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**Euryproctus latigaster** (Provancher) new combination

*Mesostenus latigaster* Provancher, Addit. Faune Canada, Hymén., 1886, p. 77.

♀. [o.d., Ottawa, Ont. (C.N.C.)]

*Tryphon latigaster* Davis, Canad. Ent., 1895, 27: 288. [syn.]

(*Tryphonini*) *latigaster* Cushman, Proc. U. S. Nat. Mus., 1929, 74: 57. [syn.]

**Euryproctus longicornis** (Provancher) new combination

*Mesostenus longicornis* Provancher, Nat. Canad., 1874, 6: 300. ♂. [key, o.d., Que. (type lost)]

*Tryphon Moyeni* Provancher, Nat. Canad., 1875, 7: 120. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesostenus longicornis* Provancher, Nat. Canad., 1875, 7: 267. [key]

*Mesoleptus Moyeni* Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

*Mesoleptus Moyeni* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Mesoleptus perditus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Euryproctus moyeni* Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♂, ♀. [key, syn., des., Canada, N.H.]

*Euryproctus moyeni* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

**Euryproctus longipes** (Provancher) new combination

*Mesoleptus longipes* Provancher, Nat. Canad., 1875, 7: 271, 272. ♂. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus Moyeni* Provancher, Nat. Canad., 1879, 11: 223; (Faune p. 396). [key, syn., des. (in part)]

*Euryproctus petiolatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 328. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

*Euryproctus petiolatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Euryproctus petiolatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 946. [N.Y.]

**Euryproctus puritanicus** Davis

*Euryproctus puritanicus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mass. (A.N.S.P.)]

**Euryproctus ramis** Davis

*Euryproctus ramis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Colo. (A.N.S.P.)]

*Euryproctus sessilis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 329. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)] New synonymy.

**Euryproctus sentinis** Davis

*Euryproctus sentinis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Mt. Washington, N.H. (A.N.S.P.)]

*Euryproctus rufopictus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 330. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

*Euryproctus sentiris* (!) Cushman, Proc. Ent. Soc. Wash., 1917, 19: 165. [syn. (in part)]

## Subfamily 6. MESOLEIINAE

## Tribe 7. CALLIDIOTINI

**CALLIDIOTES** Foerster

*Delolytus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 189.

Genotype: (*Atractodes varicornis* Holmgren) = *coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

*Callidiotes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Mesoleptus coxator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1876, 33: 19.

*Oxytorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 199.

Genotype: *Oxytorus armatus* Thomson.

*Paracanidia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 642. New synonymy.

Genotype: (*Paracanidia elyi* Viereck) = *antennatus* Cresson.

*Prosmoridea* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 191. New synonymy.

Genotype: *Prosmorus elongatus* Davis.

**Callidiotes albopleuralis** (Provancher)

*Mesoleptus albopleuralis* Provancher, Nat. Canad., 1879, 11: 224; (Faune p. 397). ♂. [key, o.d., Que. (M.P.Q.)]

*Atractodes nitens* Provancher, Nat. Canad., 1882, 13: 368; (Faune p. 790). ♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

*Mesoleptus albopleuralis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 94. [key]

*Atractodes? albopleuralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Prosmosus punctifrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 309. ♀ (not ♂). [key, o.d., Canada (A.N.S.P.)] New synonymy.

*Callidiotes albopleuralis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Callidiotes albopleuralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 135. [Me.]

*Callidiotes albopleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 944. [N.Y.]

**Callidiotes antennatus** (Cresson) new combination

*Mesoleptus antennatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 272. ♂. [o.d., Del. (A.N.S.P.)]

*Mesoleptus facetus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♂. [o.d., W.Va. (A.N.S.P.)]

*Mesoleptus rufomixtus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 97. ♂, ♀. [key, o.d., Ottawa, Ont. or Cap Rouge, Que. (C.N.C.)] New synonymy.

*Mesoleptus filiformis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, o.d., Knowlton, Que. (M.P.Q.)] New synonymy.

*Cryptus filiformis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Mesoleptus rufomixtus* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Oxytorus antennatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 323. ♂. [syn., des., Del., La., W.Va.]

*Mesoleptus rufomixtus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Cryptus Genelinii* Dalla Torre, Cat. Hymen., 1902, 3: 573. New name for *Mesoleptus filiformis* Provancher.

*Paracanidia elyi* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 643. ♀. [o.d., East River, Conn. (U.S.N.M.)] New synonymy.

*Paracanidia elyi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273. [des.]

*Oxytorus antennatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 289. [des.]

*Paracanidia elyi* Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

**Callidiotes elongata** (Davis) new combination

*Prosmosus elongatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 310. ♀. [key, o.d., Tex. (U.S.N.M.)]

*Prosmoridea elongata* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 141. [syn.]

*Prosmosus elongatus* Brimley, Insects of N.C., 1938, p. 412. [N.C.]

## Subfamily 7. PLECTISCINAE

**ALLOMACRUS** \* Foerster

*Allomacrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 117.

Genotype: *Allomacrus pimplarius* Thomson.

\* An undescribed Nearctic species of this genus is in the Townes Collection.

**CYLLOCERIA** Schiödte

*Cylloceria* Schiödte, Rev. Zool. (Soc. Cuv.), 1838, p. 140.

Genotype: *Phytodietus caligatus* Gravenhorst.

*Chalinoceras* Ratzeburg, Ichneum. Forstins., 1852, 3: 130.

Genotype: (*Chalinoceras longicornis* Ratzeburg) = *melancholica* Gravenhorst.

*Xenacis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 167.

Genotype: *Lissonota caligata* Gravenhorst.

**Cylloceria lugubris** (Cresson) new combination

*Lampronota?* *lugubris* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 379. ♀.  
[o.d., Lake Quesnel, B.C. (A.N.S.P.)]

*Cylloceria fuscolina* Davis, Trans. Amer. Ent. Soc., 1898, 24: 371. ♂. [o.d.,  
Colo. (type lost)]

*Lampronota fuscolina* Dalla Torre, Cat. Hymen., 1901, 3: 515. [syn.]

*Lampronota lugubris* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 195. [syn.,  
Alaska]

**Cylloceria nodosa** Walley

*Cylloceria nodosa* Walley, Canad. Ent., 1941, 73: 166. ♂, ♀. [o.d., Churchill,  
Man. (C.N.C.), Alaska]

**Cylloceria sexlineata** (Say)

*Anomalon sexlineata* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 74;  
(Leconte Ed. 1: 378). ♀. [o.d., Ind. (type destroyed)]

*Cylloceria occidentalis* Cresson, Trans. Amer. Ent. Soc., 1870, 3: 160. ♂, ♀.  
[o.d., Pa. (A.N.S.P.), Conn., Ill., W.Va.] New synonymy.

*Cylloceria occidentalis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 114. ♂, ♀.  
[des.]

*Cylloceria occidentalis* Provancher, Nat. Canad., 1875, 7: 142. [Que.]

*Cylloceria occidentalis* Provancher, Nat. Canad., 1880, 12: 47; (Faune p. 468).  
[key, des.]

*Cylloceria occidentalis* Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Lampronota sexcarinata* Davis, Trans. Amer. Ent. Soc., 1895, 22: 30. ♀.  
[o.d., Mich. (A.N.S.P.)]

*Cylloceria occidentalis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Cylloceria occidentalis* Harrington, Canad. Ent., 1897, 29: 46. [B.C.]

*Lampronota occidentalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
571. [N.Y.]

*Lampronota errans* Dalla Torre, Cat. Hymen., 1901, 3: 515. New name for  
*Cylloceria occidentalis* Cresson.

*Lampronota aciculata* Cameron, Invertebrata Pacifica, 1903, 1: 129. ♀. [o.d.,  
Gunnison, Colo. (British Mus.)] New synonymy.

*Cylloceria occidentalis* Nason, Ent. News, 1905, 16: 172. [Ill.]

- Lampronota punctata* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [syn. (in part)]
- Cylloceria sexlineata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 157. [syn., des., W.Va.]
- Cylloceria occidentalis* Bradley, Bull. Lloyd Libr., 1926, 27: 169. [N.Y.]
- Cylloceria sexlineata* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]
- Cylloceria errans* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 140. [Me.]
- Cylloceria sexlineata* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Cylloceria occidentalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 934. [N.Y.]
- Cylloceria occidentalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria sexlineata* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 101. [Mass.]
- Cylloceria occidentalis* Brimley, Insects of N.C., 1938, p. 408. [N.C.]
- Cylloceria sexlineata* Brimley, Insects of N.C., 1938, p. 408. [N.C.]

#### BLAPTICUS \* Foerster

- Blapticus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.  
Genotype: *Blapticus leucostomus* Foerster.

#### CATASTENUS \* Foerster

- Catastenus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.  
Genotype: *Catastenus femoralis* Foerster.

#### DALLATORREA Ashmead

- Dallatorrea* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205.  
Genotype: *Dallatorrea armata* Ashmead.
- Cymodusoides* Viereck, Canad. Ent., 1925, 57: 74. New synonymy.  
Genotype: *Cymodusoides gracilis* Viereck.

#### *Dallatorrea armata* Ashmead

- Dallatorrea armata* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 205. ♂. [o.d., fig., Sitka, Alaska (U.S.N.M.)]
- Cymodusoides plesius* Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Orillia, Ont. (C.N.C.)] New synonymy.
- Dallatorrea armata* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

\* Undescribed Nearctic species of this genus are in the Townes Collection.



**Dallatorrea gracilis** (Viereck) new combination

*Cymodusoides gracilis* Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Aylmer, Que. (C.N.C.)]

**Dallatorrea rufula** (Provancher) new combination

*Phygadeuon rufulus* Provancher, Nat. Canad., 1879, 11: 76; (Faune p. 322).

♀. [key, o.d., Que. (M.P.Q.)]

*Mesoleptus rufulus* Provancher, Nat. Canad., 1879, 11: 229; (Faune p. 402).

[key, syn.]

*Mesoleptus rufulus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 95.

[key]

*Phygadeuon rufulus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Catstenus rufulus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂, ♀. [key, des., Canada, N.H.]

*Symplecis rufulus* Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

**SYMPLECIS** Foerster

*Symplecis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: *Symplecis alticola* Foerster.

**Symplecis sitkensis** (Ashmead) new combination

*Stiboscopus sitkensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 172. ♂.

[key, o.d., Sitka, Alaska (U.S.N.M.)]

**EUSTERINX** Foerster

*Eusterinx* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Eusterinx oligomera* Foerster.

*Trestis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 174. New synonymy.

Genotype: (*Thestis* (!) *tricincta* Ashmead) = *trifasciata* Ashmead.

**Eusterinx compressa** (Cushman) new combination

*Diatora compressa* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

*Polyaulon compressum* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 24.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Eusterinx fungicola** (Ashmead) new combination

*Mesoleptus fungicola* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 35.

[host *a*, Ohio]

*Mesoleptus fungicola* Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50.

♂. [o.d., host *a*, Wooster, Ohio (U.S.N.M.)]

FUNGIVORIDAE: *a*, insect in *Polyporus applanatus*.

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**Eusterinx trifasciata** (Ashmead) new combination

*Catastenus trifasciatus* Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336.

♀. [o.d., Bering Is., Alaska (U.S.N.M.)]

*Thestis* (!) *tricincta* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 187. ♀. [o.d., Alaska (U.S.N.M.)] New synonymy.

*Catastenus trifasciatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. [Alaska]

*Catastenus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♂, ♀. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Symplecis trifasciatus* Szépligeti, Genera Insect., 1911, 114: 55. [syn.]

**MEGASTYLUS** Schiödte

*Megastylus* Schiödte, Guerin's Mag. Zool., 1838, 1: 139.

Genotype: *Megastylus cruentator* Schiödte.

*Brephoctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Plectiscus impurator* Gravenhorst. By designation of Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 79.

*Letosha* Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 725.

Genotype: *Letosha longicoxis* Cameron.

**Megastylus albocollaris** (Cresson)

*Mesoleptus* (*Megastylus*?) *albocollaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 100. ♀. [o.d., Ill. (A.N.S.P.)]

*Orthocentrus albofasciatus* Provancher, Nat. Canad., 1883, 14: 13; (Faune p. 800). ♀. [o.d., Que. (M.P.Q.)]

*Megastylus*? *albofasciatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]

*Megastylus albocollaris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂, ♀. [des., Canada, Ill.]

*Aperileptus pleuralis* Slosson, Ent. News, 1902, 13: 221. [N.H.] Nomen nudum.

*Megastylus ashmeadi* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 18.

♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

New synonymy.

*Megastylus albocollaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

**Megastylus caseyi** (Ashmead)

*Spanotecnus caseyi* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 196. ♂. [o.d., Norfolk, Va. (U.S.N.M.)]

*Megastylus caseyi* Davis, Trans. Amer. Ent. Soc., 1897, 24: 246. ♂. [des.]

*Megastylus caseyi* Brimley, Suppl. Insects of N.C., 1942, p. 32. [host a, N.C.]

FUNGIVORIDAE: a, *Zelmira inops*.

**HELICTES** Haliday

*Helictes* Haliday, in Curtis: Guide Arrang. Brit. Ins., Ed. 2, 1837, p. 106; Ann. Nat. Hist., 1838, (2), 8: 115.

Genotype: *Ichneumon erythrostoma* Gmelin.

*Idioxenus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 171.

Genotype: *Megastylus mediator* Schiödte.

*Myriarthrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172, 218.

Genotype: (*Plectiscus erythrostoma* Gravenhorst) = *erythrostoma* Gmelin.

*Paipila* Cameron, Trans. Amer. Ent. Soc., 1905, 20: 358.

Genotype: *Paipila longipes* Cameron.

**Helictes ruficornis** Davis

*Helictes ruficornis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀ (not ♂).  
[o.d., Algonquin, Ill. (A.N.S.P.)]

**ANISERES** Foerster

*Aniseres* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 73, 92.

Genotype: *Aniseres pallipes* Foerster.

**Aniseres lubricus** Foerster

*Aniseres lubricus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 93. ♂. [o.d., Aachen, Germany (?Vienna Mus.)]

*Aniseres lubricus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

**PROCLITUS** Foerster

*Clepticus* Haliday, Ann. Nat. Hist., 1838, 2: 116. Preoccupied by Cuvier, 1829.

Genotype: *Clepticus praetor* Haliday.

*Proclitus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 172.

Genotype: *Proclitus grandis* Foerster.

*Mischoxorides* Ashmead, Canad. Ent., 1900, 32: 368. New name for *Clepticus* Haliday.

**Proclitus longicaudus** (Provancher)

*Cremastus longicaudus* Provancher, Nat. Canad., 1882, 13: 367; (Faune p. 789).

♂, ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)]

*Atractodes? longicaudus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Proclitus longicaudus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn., des.]

*Proclitus longicaudus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Proclitus longicaudus* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

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**Proclitus royi** (Provancher)

*Cremastus royi* Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788). ♂, ♀.  
[key, o.d., Que. (M.P.Q.)]

*Atractodes? royi* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Proclitus royi* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]

*Proclitus royi* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

**PLECTISCIDEA** Viereck

*Plectiscus* authors, not of the genotype.

*Plectiscidea* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118.

Genotype: *Plectiscus collaris* Gravenhorst.

**Plectiscidea arcticus** (Roman) new combination

*Plectiscus arcticus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. ♀.  
[o.d., Matuola, Greenland (?Stockholm Mus.)]

**Plectiscidea carinata** (Provancher) new combination

*Orthocentrus carinatus* Provancher, Nat. Canad., 1879, 11: 281; (Faune p. 436).  
♂. [key, o.d., Que. (M.P.Q.)]

*Orthocentrus carinatus* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Atmetus carinatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key,  
syn. (in part), des. Canada, Colo., Ill., Mich.]

*Orthocentrus carinatus* Slosson, Ent. News, 1897, 8: 237. [N.H.]

*Atmetus carinatus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Plectiscus carinatus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Atmetus carinatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

**Plectiscidea collaris** (Gravenhorst)

*Plectiscus collaris* Gravenhorst, Ichneum. Europeae, 1829, 2: 987. ♀. [o.d.,  
Sickershausen, Germany (?Breslau Mus.)]

*Plectiscus collaris* Lundbeck, Vidensk. Medd. Nat. For. København, (1896),  
1897, p. 234. [Greenland]

*Plectiscidea collaris* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 118. [syn.]

*Plectiscus collaris* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe,  
Greenland]

**Plectiscidea glabrifrons** (Davis) new combination

*Catastenus glabrifrons* Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♂.  
[key, des., Algonquin, Ill. (A.N.S.P.)]

*Symplecis glabrifrons* Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

**Plectiscidea humeralis** (Provancher) new combination

*Mesochorus humeralis* Provancher, Nat. Canad., 1883, 14: 4; (Faune p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

*Atractodes? humeralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

**Plectiscidea hyperboreus** (Holmgren) new combination

*Plectiscus hyperboreus* Holmgren, Svensk. Vet.-Akad. Handl., 1869, 8, pt. 5: 21, ♂, ♀. [o.d., Green Harbor, Spitzbergen Is. (Stockholm Mus.)]

*Plectiscus bistriatus* Thomson, Opusc. Ent., 1888, 12: 1299. ♂, ♀. [o.d., "vid Örtofta nära Lund" (?Lund Mus.)]

*Plectiscus* sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

*Plectiscus bistriatus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

*Plectiscus bistriatus* Nielsen, Medd. om Grønland, 1907, 29: 386. [Greenland]

*Plectiscus hyperboreus* Roman, Archiv för Zoologi, 1916, 10, no. 22: 9. ♂, ♀. [syn., des.]

*Plectiscus hyperboreus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 540. [Europe, Greenland]

**Plectiscidea lurida** (Foerster) new combination

*Pantisarthrus luridus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28, pt. 3: 110. [o.d. in key, Aachen, Germany (?Vienna Mus.)]

*Plectiscus luridus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 234. [Greenland]

*Plectiscus luridus* Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

**Plectiscidea nasoni** (Davis) new combination

*Miomeris nasoni* Davis, Trans. Amer. Ent. Soc., 1897, 24: 244. ♀. [o.d., Algonquin, Ill. (A.N.S.P.)]

**Plectiscidea nigra** (Provancher) new combination

*Plectiscus niger* Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Plectiscus niger* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂, ♀. [key, des.]

**Plectiscidea orcae** (Ashmead) new combination

*Plectiscus orcae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 240. ♀. [o.d., Orca, Alaska (U.S.N.M.)]

**Plectiscidea parva** (Cushman) new combination

*Aperilaptus* (!) *parvus* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

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- Plectiscus parvus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 22. ♀.  
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]  
*Plectiscus parvus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

**Plectiscidea patula** (Viereck) new combination

- Mesochorus areolatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♀. [o.d.,  
Beulah, N.M. (A.N.S.P.)] Preoccupied by Provancher, 1883  
*Mesochorus patulus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. New name  
for *Mesochorus areolatus* Viereck.  
*Plectiscus patulus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

**PANTISARTHURUS** Foerster

- Pantisarthrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1871, 28: 74,  
109.  
Genotype: *Pantisarthrus inaequalis* Foerster.

**Pantisarthrus dorsalis** (Provancher) new combination

- Bassus dorsalis* Provancher, Addit. Faune Canada, Hymen., 1886, p. 112. ♀.  
[o.d., Cap Rouge, Que. or Ottawa, Ont. (M.P.Q.)]  
*Plectiscus dorsalis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 190. [syn.]  
*Hemiteles dorsalis* Davis, Canad. Ent., 1895, 27: 290. [syn.]  
*Bassus dorsalis* Walley, Canad. Ent., 1937, 69: 116. [syn.]

**APERILEPTUS** Foerster

- Aperileptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.  
Genotype: *Plectiscus albipalpus* Gravenhorst.

**Aperileptus gracilis** (Provancher) new combination

- Phytodietus gracilis* Provancher, Nat. Canad., 1875, 7: 331. ♀. [o.d., Que.  
(M.P.Q.)]  
*Plectiscus gracilis* Provancher, Nat. Canad., 1879, 11: 210; (Faune p. 382).  
[des.]  
*Plectiscus gracilis* Provancher, Nat. Canad., 1883, 14: 6; (Faune p. 793). [key]  
*Proedrus delicatus* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.  
*Plectiscus gracilis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♀. [key, des.]  
*Aperileptus clypeatus* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.  
*Plectiscus gracilis* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 468. [syn.]  
*Aperileptus* (!) *clypeatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 4.  
♀. [syn., o.d., Franconia, N.H. (U.S.N.M.)] New synonymy.  
*Aperileptus delicatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 5. ♀.  
[syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New  
synonymy.  
*Aperileptus clypeatus* Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

*Aperileptus delicatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

*Aperileptus delicatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

*Aperileptus clypeatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959. [N.Y.]

***Aperileptus valerius*** (Davis) new combination

*Catastenus valerius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 243. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)]

*Symplecis valerius* Szépligeti, Genera Insectorum, 1911, 114: 55. [syn.]

### MICROLEPTES Gravenhorst

*Microleptes* Gravenhorst, Ichneum. Europeae, 1829, 1: 679.

Genotype: *Microleptes splendidulus* Gravenhorst.

***Microleptes splendidulus*** Gravenhorst \*

*Microleptes splendidulus* Gravenhorst, Ichneum. Europeae, 1829, 1: 679. ♀. [o.d., Netley, England (?Breslau Mus.)]

### HYPERACMUS Holmgren

*Hyperacmus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322.

Genotype: *Exochus crassicornis* Gravenhorst.

*Nothaima* Cameron, Jour. Bombay Nat. Hist. Soc., 1902, 14: 429.

Genotype: (*Nothaima bicarinata* Cameron) = *crassicornis* Gravenhorst.

***Hyperacmus crassicornis*** (Gravenhorst) †

*Exochus crassicornis* Gravenhorst, Ichneum. Europeae, 1829, 2: 347. ♀. [o.d., Volhynia, Europe (?Breslau Mus.)]

*Hyperacmus crassicornis* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 322. ♀. [des., Sweden]

## Subfamily 8. ORTHOCENTRINAE

### ORTHOCENTRUS Gravenhorst

*Orthocentrus* Gravenhorst, Ichneum. Europeae, 1829, 3: 358.

Genotype: (*Orthocentrus fulvipes* Gravenhorst) = *anomalus* Gravenhorst.

\* In the Townes Collection is a male, apparently of this species, from Cap Bon Ami, Gaspé, Que., collected Aug. 19, 1936 by Dr. E. G. Fisher.

† In the Townes Collection is a female of this species from Rock City, Cattaraugus Co., N.Y. collected July 1, 1916.

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*Tapinops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Orthocentrus californicus* Ashmead) = *pusillus* Walsh.

*Atmetus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Atmetus tetrazonatus* Ashmead.

*Phaenosemus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: *Phaenosemus sitkensis* Ashmead.

*Exochiscus* Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 96.

Genotype: *Exochiscus pusillus* Walsh.

*Pachyonyx* Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 100. Preoccupied by Schoenherr, 1837.

Genotype: *Pachyonyx trifasciatus* Walsh.

#### ***Orthocentrus decoratus* new name**

*Atmetus californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1890.

*Atmetus californicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Calif.]

#### ***Orthocentrus lucens* Provancher**

*Orthocentrus lucens* Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). ♀. [key, o.d., Cap Rouge, Que. (type lost)]

*Orthocentrus lucens* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, des.]

#### ***Orthocentrus protuberans* Holmgren**

*Orthocentrus protuberans* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 333. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]

*Atmetus insularis* Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 337. ♂. [o.d., Copper Is., Alaska (U.S.N.M.)] Preoccupied in *Orthocentrus* by Ashmead, 1894.

*Atmetus insularis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [des., Alaska]

*Orthocentrus protuberans* Roman, Naturw. Unters. Sarekgebirges Swedisch-Lappland, 1909, 4: 352. [syn., Sweden]

#### ***Orthocentrus pusillus* (Walsh) new combination**

*Exochiscus pusillus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 97. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)]

*Alomya abdominalis* Provancher, Nat. Canad., 1875, 7: 121. ♂, ♀. [o.d., Que. (M.P.Q.)]



- Orthocentrus Canadensis* Provancher, Nat. Canad., 1875, 7: 142. ♂. [o.d., Que. (M.P.Q.)] New synonymy.
- Orthocentrus Canadensis* Provancher, Nat. Canad., 1879, 11: 279; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1879, 11: 280; (Faune p. 435). [key, des.]
- Orthocentrus abdominalis* Provancher, Nat. Canad., 1887, 16: 46. [Que.]
- Orthocentrus californicus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 442. ♀. [o.d., Placer Co., Calif., (U.S.N.M.)]
- Tapinops californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. [syn.]
- Tapinops emarginatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♂, ♀. [syn., des., Calif., Canada, Ill., Mass., Mich., N.H., Ore. (misdetermined)]
- Orthocentrus medialis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Orthocentrus canadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂. [key, des., Canada, Ill., Mich.]
- Camerotops asperus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀. [key, o.d., Algonquin, Ill. (A.N.S.P.)] New synonymy.
- Camerotops aspera* Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]
- Tapinops californicus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]
- Orthocentrus canadensis* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Orthocentrus canadensis* Slosson, Ent. News, 1906, 17: 324. [N.H.]
- Orthocentrus canadensis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Tapinops pusilla* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Tapinops pusillus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]
- Orthocentrus abdominalis* Reeks, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 27. [biol., host a, Que.]
- Orthocentrus canadensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- Tapinops pusillus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]
- DIPRIONIDAE: a, *Diprion hercyniae*.

### ***Orthocentrus repentinus* Holmgren**

- Orthocentrus repentinus* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 1: 327. ♂, ♀. [o.d., Lappland, Sweden (?Stockholm Mus.)]
- Orthocentrus repentinus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 284. [des., Greenland]

### ***Orthocentrus rugulosus* (Provancher) new combination**

- Glypta rugulosa* Provancher, Nat. Canad., 1883, 14: 14; (Faune p. 801). ♀ (not ♂). [o.d., Que. (M.P.Q.)]

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**Orthocentrus sitkensis** (Ashmead) new combination

*Phaenosemus sitkensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂.  
[o.d., Sitka, Alaska (U.S.N.M.)]

**Orthocentrus stigmatias** (Walsh)

*Pachyonyx stigmatias* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 101. ♂ (not ♀), [(?Ill.) (type destroyed)]

*Orthocentrus stigmatias* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 101.  
[syn.]

*Stenomacrus?* *stigmatias* Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀.  
[key, des.]

**Orthocentrus tetrazonatus** (Ashmead) new combination

*Atmetus tetrazonatus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀.  
[o.d., West Cliff, Colo. (U.S.N.M.)]

*Atmetus carinatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀.  
[key, syn., des., Canada, Colo., Ill., Mich. (in part)]

*Atmetus tetrazonatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

**Orthocentrus trifasciatus** (Walsh)

*Pachyonyx trifasciatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 100. ♂, ♀.  
[o.d., (?Ill.) (type destroyed)]

*Orthocentrus trifasciatus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 100.  
[syn.]

*Orthocentrus trifasciatus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Orthocentrus trifasciatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 224. ♂, ♀.  
[key, des.]

**PICROSTIGEUS** Foerster\*

*Picrostigeus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Orthocentrus* (*Picrostigeus*) *setiger* Thomson.

**NEURATELES** Ratzeburg

*Neurateles* Ratzeburg, Ichneum. Forstins. 1848, 2: 86.

Genotype: *Neurateles papyraceus* Ratzeburg.

**Neurateles leucopsis** (Ashmead)

*Orthocentrus leucopsis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. ♂. [o.d.,  
Brush Creek, Colo. (U.S.N.M.)]

*Neurateles leucopsis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [des.]

\* An undescribed Nearctic species of this genus is in the Townes Collection.

**MNESIDACUS** Foerster

*Mnesidacus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: (*Mnesidacus apicalis* Ashmead) = *nigricoxus* Provancher.

**Mnesidacus nigricoxus** (Provancher) new combination

*Orthocentrus nigricoxus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 369. ♀. [o.d., Ottawa, Ont. (type lost)]

*Mnesidacus* (!) *apicalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. \*♀. [o.d., Washington, D.C. (U.S.N.M.)]

*Atmetus nigritus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 204. ♀. [o.d., Columbus, Ohio (U.S.N.M.)] New synonymy.

*Atmetus nigritus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. ♀. [key, des., Ill., Ohio]

*Orthocentrus nigricoxus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 223. ♂, ♀. [key, syn., des., Canada, D.C., Ill.]

*Deleter flavifrons* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂. [o.d., Alaska (U.S.N.M.)] New synonymy.

*Orthocentrus nigritus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 231. ♂. [o.d., St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

*Orthocentrus nigricoxus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Atmetus nigritus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Orthocentrus nigricoxus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305. ♂, ♀. [des.]

**STENOMACRUS** Foerster

*Synoplus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159. New synonymy.

Genotype: *Synoplus brevipennis* Ashmead.

*Hypoleptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 159.

Genotype: *Hypoleptus columbianus* Ashmead.

*Deleter* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160. New synonymy.

Genotype: (*Deleter obscurus* Davis) = *americanus* Ashmead.

*Stenomacrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Orthocentrus silvaticus* Holmgren.

*Camarotops* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 160.

Genotype: *Neuratelus ulmicola* Ashmead.

**Stenomacrus alaskensis** (Ashmead) new combination

*Hypoleptus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♂, ♀. [o.d., Alaska (U.S.N.M.)]

*Hypoleptus glacialis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂, ♀. [o.d., Muir Inlet, Alaska (U.S.N.M.)] New synonymy.

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**Stenomacrus americanus** (Ashmead) new combination

*Neuratelus americanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀.  
[o.d., Fredericktown, Md. (U.S.N.M.)]

*Deleter obscurus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d.,  
Ill. (A.N.S.P.), Mich.] New synonymy.

*Camerotops americanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀.  
[key, des.]

*Camerotops americana* Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

*Neurateles americana* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229, 232.  
[syn.]

*Deletar* (!) *obscurus* Nason, Ent. News, 1905, 16: 168. [Ill.]

**Stenomacrus borealis** Ashmead

*Stenomaerus* (!) *borealis* Ashmead, Fur Seals and Fur-seal Is., 1899, 4: 338. ♀.  
[o.d., Bering Is., Alaska (U.S.N.M.)]

*Stenomaerus* (!) *borealis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232.  
[Alaska]

*Stenomacrus borealis*? Brues, Canad. Arctic Exped. 1913-18, 1919, 3, G: 33.  
[Hershel Is., Yukon Territory]

**Stenomacrus brevipennis** (Ashmead) new combination

*Synoplus brevipennis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀.  
[o.d., fig., St. Paul Is., Alaska (U.S.N.M.)]

*Synoplus pleuralis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 227. ♀. [o.d.,  
St. Paul Is., Alaska (U.S.N.M.)] New synonymy.

**Stenomacrus columbianus** (Ashmead) new combination

*Hypoleptus columbianus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂.  
[o.d., D.C. (U.S.N.M.)]

*Hypoleptus columbianus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂.  
[des.]

*Hypoleptus columbianus* Slosson, Ent. News, 1897, 8: 237. [N.H.]

**Stenomacrus dubiosus** (Ashmead) new combination

*Neurateles dubiosus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 228. ♂. [o.d.,  
St. Paul Is., Alaska (U.S.N.M.)]

**Stenomacrus hastatus** Davis

*Stenomacrus hastatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♀. [key,  
o.d., Siskiyou Co., Calif. (U.S.N.M.)]

*Stenomacrus hastatus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]

**Stenomacrus hygrotrechus** (Viereck) new combination

*Brephoctonus hygrotrecha* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
305. ♂, ♀. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]

**Stenomacrus intritus** Davis

*Stenomacrus intritus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 225. ♂. [key, o.d., Canada (U.S.N.M.)]

**Stenomacrus kincaidi** (Ashmead) new combination

*Deleter kincaidi* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. ♂, ♀. [o.d., Belkofski, Alaska (U.S.N.M.)]

**Stenomacrus kodiakensis** (Ashmead) new combination

*Camarotops kodiakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. ♀. [o.d., Kodiak, Alaska (U.S.N.M.)]

**Stenomacrus laticollis** (Holmgren)

*Orthocentrus laticollis* Holmgren, Ent. Tidskr., 1883, 4: 158. ♀. [o.d., Jugor Scharr, Vaigach Is., Russia (?Stockholm Mus.)]

*Orthocentrus* sp. Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15, pt. 4, no. 1: 29. [Greenland]

*Orthocentrus* sp. Lundbeck, Vidensk. Midd. Nat. For. København, (1896), 1897, p. 232. [des., Greenland]

*Stenomacrus laticollis* Roman, Archiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [syn., des., Greenland]

**Stenomacrus mellipes** (Provancher) new combination

*Bassus mellipes* Provancher, Addit. Faune Canada, Hymén., 1888, p. 429. ♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

*Syrphoctonus mellipes* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, des.]

*Brephoctonus californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Mountain View, Calif. (U.S.N.M.)] New synonymy.

*Brephoctonus californicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 220. ♂. [des.]

*Camerotops premitus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♀ (not ♂). [key, o.d., Mich. (A.N.S.P.)] New synonymy.

*Phaenosemus alticola* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

*Camerotops premita* Dalla Torre, Cat. Hymen., 1901, 3: 225. [syn.]

*Phaenosemus alticola* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Stenomacrus alticola* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 27. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

"*Bassus*" *mellipes* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

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**Stenomacrus monticola** (Cushman) new combination

*Hypoleptus monticola* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.

*Hypoleptus monticola* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

*Hypolepus* (!) *alticola* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Hypoleptus monticola* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**Stenomacrus terebrator** Roman

*Stenomacrus terebrator* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 608. ♀. [o.d., Jameson Land, Greenland (?Stockholm Mus.)]

**Stenomacrus ulmicola** (Ashmead) new combination

*Brephoctonus flavosus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 202. ♂. [o.d., Jacksonville, Fla. (U.S.N.M.)]

*Neuratelus ulmicola* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♀. [o.d., host *b*, Columbus, Ohio (U.S.N.M.)]

*Neuratelus liriodendri* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 203. ♂, ♀. [o.d., host *a*, D.C. (U.S.N.M.)]

*Camerotops ulmicola* Davis, Trans. Amer. Ent. Soc., 1897, 24: 226. ♂, ♀. [key, syn., des.]

*Neuroteles ulmicola* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

*Neuroteles liriodendri* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

*Brephoctonus flavosus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 229. [syn.]

TINEIDAE: *a*, tineid larva on *Liriodendron tulipifera*. GRACILARIIDAE: *b*, ?*Cameraria ulmella*.

**Stenomacrus undulatus** (Davis) new combination

*Deleter undulatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂, ♀. [key, o.d., Ill. (A.N.S.P.), Mich.]

*Deletar* (!) *undulatus* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Deleter undulatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

*Deleter undulatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Deleter undulatus* MacAloney, Bull. N.Y. State Col. Forestry, 1930, vol. 3, no. 1 (Tech. Pub. no. 28): 50. [host *a*]

Miscellaneous: *a*, Diptera.

**LEIPPAULUS** new genus

This generic name is proposed for *Deleter* of authors, not of the genotype. It differs from all other Orthocentrinae except *Neuroteles* in that it lacks the prepectal carina. From *Neuroteles* it differs in having the face and clypeus in

the same contour and strongly bulging as is typical for the subfamily, and the abdomen of the female less strongly compressed. In *Neurateles* the face is rather flat and the clypeus somewhat protuberant. The abdomen of the female of *Neurateles* beyond the second segment is strongly compressed, blade-like.

Genotype: *Deleter suffuscus* Davis.

***Leipaulus suffuscus* (Davis) new combination**

*Deleter suffuscus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 221. ♂. [key, o.d., N.H. (U.S.N.M.)]

*Deleter suffuscus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

Subfamily 9. DIPLAZONINAE

**DIPLAZON** Nees

*Bassus* of authors, not of the genotype.

*Diplazon* Nees, Nov. Acta Acad. Nat. Curios, 1818, 9: 292.

Genotype: *Ichneumon laetatorius* Fabricius.

***Diplazon annulatus* (Gravenhorst)**

*Bassus annulatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 348. ♀. [o.d., "circa Trajectum ad Moenum captam," Europe (?Breslau Mus.)]

*Bassus annulatus* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 10. [des., Greenland]

*Diplazon annulatus* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 609. [des., Greenland]

***Diplazon laetatorius* (Fabricius)**

*Ichneumon laetatorius* Fabricius, Species Insectorum, 1781, 1: 424. (♀). [o.d., Germany (location of type unknown)]

*Anomalon attractus* Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed. 2: 696). ♀. [o.d., Ind. (type destroyed)]

*Bassus sycophanta* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Conn., Del., Ill., N.Y., Pa. (type probably at A.N.S.P.)]

*Bassus sycophanta* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

*Bassus tripicticus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 85. ♂, ♀. [o.d. (?Ill.) (type destroyed)]

*Bassus sycophanta* var. *tripicticus* Cresson, Trans. Acad. Sci. St. Louis, 1873, 3: 85. [syn.]

*Bassus sycophanta* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀. [des.]

*Bassus sycophanta* Provancher, Nat. Canad., 1874, 6: 31, 56. [key, Que.]

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- Bassus sycophanta* Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431).  
[key, des., fig.]
- Bassus sycophanta* Provancher, Nat. Canad., 1887, 16: 24. [Que.]
- Bassus sycophanta* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]
- Bassus sycophanta* Cook, Ann. Rpt. Mich. Agr. Exp. Sta., 1891, 4: 132. [des., fig., biol., host *k*, Conn., Del., Ill., Mich., N.Y., Pa.]
- Bassus sycophanta* Riley and Howard, Insect Life, 1891, 3: 460. [host *w*]
- Bassus laetatorius* (!) Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Bassus laetatorius* var. *sycophanta* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.  
[key, des.]
- Bassus laetatorius* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19. ♂, ♀. [key, syn., des., "common and widespread"]
- Bassus laetatorius* var. *terminalis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 19.  
♀. [key, o.d., Wash. (A.N.S.P.)]
- Bassus laetatorius* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus sycophanta* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Bassus laetatorius* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.  
[N.J.]
- Bassus laetatorius* (!) Johnson, Canad. Ent., 1900, 32: 59. [fig., host *v*]
- Bassus laetatorius* (!) Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [Ariz.]
- Bassus laetatorius* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *sycophanta* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* var. *tripicticus* Nason, Ent. News, 1905, 16: 169. [Ill.]
- Bassus laetatorius* (!) Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Bassus laetatorius* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 622. [N.J.]
- Bassus laetatorius* Roman, Ent. Tidskr., 1910, 31: 149. ♂. [des., Tex.]
- Bassus laetatorius* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 125. [key, syn., Mexico]
- Diplazon laetatorius* Kelley, Jour. Econ. Ent., 1914, 7: 294-297. [biol., host *a d f g k*, Ariz., Calif., Ind., Kans., Tex.]
- Bassus tripicticus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Diplazon laetatorius* McGregor and McDonough, Bull. U. S. Dept. Agr., 1917, 416: 53. [host *v*]
- Diplazon sycophanta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.  
♂, ♀. [des., Conn.]
- Diplazon laetatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303.  
♀. [des., Conn.]
- Diplazon laetatorius* Hauser, Guyton, and Lowry, Bull. Ohio Agr. Exp. Sta., 1917, 317: 80. [biol., host *v*, Ohio]
- Anomalon lactatorius* (!) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]
- Eiplazon* (!) *laetatorius* Davidson, Canad. Ent., 1919, 51: 236. [host *c*, Calif.]
- Diplazon laetatorius* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 154.  
[syn., des., Tex.]



- Diplazon laetatorius* Campbell and Davidson, Bull. So. Calif. Acad. Sci., 1924, 23: 9. [host f, Calif.]
- Diplazon laetatorius* Kamal, Jour. Econ. Ent., 1926, 19: 724, 727. [biol., host a b d f h k l n p, Calif.]
- Diplazon laetatorius* Bradley, Bull. Lloyd Libr., 1926, 27: 170. [N.Y.]
- Diplazon laetatorius* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 44. [biol.]
- Diplazon laetatorius* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]
- Diplazon laetatorius* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon laetatorius* Poos, Proc. Ent. Soc. Wash., 1928, 30: 150. [host b k, Va.]
- Diplazon laetatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]
- Diplazon laetatorius* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 23, 42. [fig., host b k o p q]
- Diplazon laetatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]
- Diplazon laetatorius* Schopp, Jour. Kans. Ent. Soc., 1931, 4: 35. [Kans.]
- Diplazon laetatorius* Cole, Jour. Econ. Ent., 1933, 26: 862. [host e, Calif.]
- Diplazon laetatorius* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 19, 99, 100. [biol., host b d i j k m n p s t u, Ill.]
- Diplazon laetatorius* Brimley, Insects of N.C., 1938, p. 413. [N.C.]
- Diplazon laetatorius* Telford, Tech. Bull. Minn. Agr. Exp. Sta., 1939, 140: 10. [host k s, Minn.]
- Diplazon laetatorius* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

SYRPHIDAE: a, *Allograpta exotica*; b, *Allograpta obliqua*; c, *Allograpta* sp.; d, *Baccha clavata*; e, *Baccha lemuri*; f, *Eupeodes volucris*; g, *Mesogramma polita*; h, *Mesogramma* sp.; i, *Metasyrphus perplexus*; j, *Metasyrphus vinelandi*; k, *Metasyrphus wiedemanni*; l, *Metasyrphus* sp.; m, *Paragus bicolor*; n, *Paragus tibialis*; o, *Platycheirus erraticus*; p, *Sphaerophoria cylindrica*; q, *Sphaerophoria robusta*; r, *Syrphus rectus*; s, *Syrphus ribesii*; t, *Syrphus ribesii vittifrons*; u, *Syrphus torvus*; v, syrphid. Miscellaneous: w, gall on *Quercus* sp.

***Diplazon pectoratorius* (Thunberg) new combination**

- Ichneumon pectoratorius* Thunberg, Mém. Acad. Sci. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Polysphincta pleuralis* Provancher, Nat. Canad., 1875, 7: 312. ♂. [o.d., Que. (M.P.Q.)]
- Bassus pulchripes* Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). ♂, ♀. [key, syn., des.]
- Bassus pulchripes* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Colo., Ont., N.H.]

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*Bassus pulchripes* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Bassus pulchripes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. [Alaska]

*Bassus pectoratorius* Roman, Zool. Bidrag Uppsala, 1912, 1: 271, 290. [syn.]

*Diplazon pulchripes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Diplazon pulchripes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Diplazon pulchripes* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Diplazon scutellaris* (Cresson)**

*Bassus scutellaris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 112. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

*Bassus scutellaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 84. ♂, ♀. [des.]

*Bassus scutellaris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 112. [des., Que.]

*Bassus scutellatus* (!) Riley and Howard, Insect Life, 1891, 3: 460. [host *a*, Ala.]

*Bassus scutellaris* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Ga., Ill., Mich., Ont., Ore., Va.]

*Bassus scutellaris* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Bassus scutellaris* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Diplazon scutellaris* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Diplazon scutellaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Diplazon scutellaris* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Diplazon scutellaris* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host *b c d e*, Ill.]

NOCTUIDAE: *a*, *Cirphis unipuncta*. SYRPHIDAE: *b*, *Allograpta obliqua*; *c*, *Baccha clavata*; *d*, *Metasyrphus vinelandi*; *e*, *Sphaerophoria cylindrica*.

***Diplazon tetragonus* (Thunberg) new combination**

*Ichneumon tetragonus* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

*Bassus nemoralis* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 354. ♂, ♀. [o.d., Sweden (?Stockholm Mus.)]

*Bassus concinnus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Conn. (A.N.S.P.)] New synonymy.

*Bassus amoenus* Provancher, Nat. Canad., 1874, 6: 31, 55. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Bassus albicoxis* Provancher, Nat. Canad., 1874, 6: 31, 56. ♂. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Bassus concinnus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, des., Conn., Mass.]

*Bassus tetragonus* Roman, Zool. Bidrag Uppsala, 1912, 1: 282, 290. [syn.]

*Diplazon concinnus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 303. ♀. [des.]

*bassus nemoralis* Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

*Diplazon concinnus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Diplazon concinnus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Diplazon concinnus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

***Diplazon tibiatorius* (Thunberg) new combination**

*Ichneumon tibiatorius* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 280. [o.d. (?Sweden) (Upsala Mus.)]

*Bassus orbitalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

*Bassus cinctulus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂, ♀. [o.d., Calif. (A.N.S.P.)]

*Bassus orbitalis* Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 429). ♂, ♀. [key, syn., des.]

*Bassus orbitalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♀. [o.d., host c, Alameda, Calif. (U.S.N.M.)] Preoccupied by Cresson, 1865.

*Bassus orbitalis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 20. ♂, ♀. [key, syn., des., Calif., Colo., Mont., Nev., N.H., N.Y., Ont., Ore.]

*Bassus orbitalis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Bassus tibiatorius* Roman, Zool. Bidrag Uppsala, 1912, 1: 283, 290. [syn.]

*Diplazon orbitalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♂, ♀. [des.]

*Bassus orbitalis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

*Diplazon orbitalis* Kamal, Jour. Econ. Ent., 1926, 19: 725, 728. [biol., host a b, Calif.]

*Diplazon orbitalis* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Sphaerophoria cylindrica*; c, *Syrphus* sp.

**ZOOTREPHUS** Thomson

*Zootrephus* Thomson, Opusc. Ent., 1890, 14: 1486.

Genotype: (*Bassus holmgreni* Bridgman) = *rufiventris* Gravenhorst.

***Zootrephus bizonarius* (Gravenhorst) new combination**

*Bassus bizonarius* Gravenhorst, Ichneum. Europeae, 1829, 3: 350. ♂. [o.d. (numerous localities in central Europe) (?Breslau Mus.)]

*Bassus saginatus* Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). ♂. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.

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*Zootrepes saginatus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.  
[key, des., Canada, N.H.]

*Zootrepes inconstans* (as *Zootrepes maudae* in key) Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀. [key, o.d., Wash. (A.N.S.P.), Colo., Mass., Nev.] New synonymy.

*Zootrepes inconstans* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Zootrepes saginatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137.  
[Me.]

*Zootrepes maudae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Zootrepus ichneumonoides* (Provancher) new combination**

*Bassus ichneumonoides* Provancher, Nat. Canad., 1874, 6: 31, 57. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Bassus ichneumonoides* Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432).  
[key, syn., des.]

*Bassus ichneumonoides* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Bassus scapulatus* Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.  
[key, o.d., Que. (M.P.Q.)] New synonymy.

*Bassus ichneumonoides* Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798).  
[key]

*Bassus cingulatus* Provancher, Nat. Canad., 1883, 14: 11; (Faune p. 798). ♀.  
[key, o.d., Que. (M.P.Q.)] New synonymy.

*Zootrepes scapulatus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 22. ♀. [key, des.]

*Zootrepes ichneumonoides* Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♀.  
[key, des.]

*Zootrepes cingulatus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.  
[key, des., N.H.]

*Zootrepes similis* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 52. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)] New synonymy.

***Zootrepus rufiventris* (Gravenhorst)**

*Bassus rufiventris* Gravenhorst, Ichneum. Europeae, 1829, 3: 312. [o.d., Warmbrunn and Norimberg, Germany (?Breslau Mus.)]

*Zootrepus rufiventris* Thomson, Opusc. Ent., 1890, 14: 1488. ♀. [des., Sweden]

*Zootrepes antennatus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 23. ♂, ♀.  
[key, o.d., North Ill. (A.N.S.P.), Mich., Mont., S.D.] New synonymy.

*Zootrepes rufiventris* Dalla Torre, Cat. Hymen., 1901, 3: 241. [syn.]

*Diplazon* (*Zootrepes*) *antennatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

*Zootrepes antennatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

- Zootrephes antennatus* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.  
[host a]  
SYRPHIDAE: a, *Platycheirus erraticus*.

**PROMETHES** Foerster

- Promethes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.  
Genotype: *Bassus sulcator* Gravenhorst.  
*Liopsis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.  
Genotype: *Bassus sulcator* Gravenhorst.  
*Promethus* Thomson, Opusc. Ent., 1890, 14: 1465, 1475.  
Genotype: *Bassus sulcator* Gravenhorst.  
*Sussaba* Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 728.  
Genotype: (*Sussaba bicarinata* Cameron) = *pulchellus* Holmgren.

**Promethes cultriformis** (Ashmead) new combination

- Trematopygus? cultriformis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 441. ♀.  
[o.d., Neb. (U.S.N.M.)]  
*Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♀. [key, des., Ill.] Misdetermined.  
*Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in part)]  
*Promethus ruficrus* Nason, Ent. News, 1905, 16: 169. [Ill.] Misdetermined.  
*Promethes ruficrus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.] Misdetermined.  
*Promethes ruficrus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.] Misdetermined.

**Promethes elongatus** (Provancher)

- Bassus elongatus* Provancher, Nat. Canad., 1874, 6: 31, 54. ♂, ♀. [key, o.d., Que. (M.P.Q.)]  
*Bassus ichneumonoides* var. *elongatus* Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 433). [des.]  
*Bassus elongatus* Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799). [key, des.]  
*Promethus elongatus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀. [key, des., Canada, Mich., N.H.]  
*Otoblastus erodens* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Wyo.] New synonymy.  
*Promethus elongatus* Slosson, Ent. News, 1898, 9: 253. [N.H.]  
*Promethes elongatus* Dalla Torre, Cat. Hymen., 1901, 3: 243. [syn.]  
*Bioblapsis tricincla* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♂. [o.d., Berg Bay, Alaska (U.S.N.M.)] New synonymy.  
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*Promethes uncinatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 224. ♀. [o.d., Kukak Bay, Alaska (U.S.N.M.)] New synonymy. Ashmead's "type" is a head of one species and thorax of another. The thorax is hereby selected lectotype.

*Promethus elongatus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Promethes albicoxis* Slosson, Ent. News, 1906, 17: 324. [Mt. Washington, N.H.]  
Nomen nudum.

*Promethes rohweri* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 51. ♂, ♀. [o.d., Florissant, Colo. (Milwaukee Pub. Mus.)] New synonymy.

*Promethes elongatus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 25.  
[syn. (in part)]

*Promethes elongatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.  
[Me.]

*Promethes elongatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Promethes uncinatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Promethes elongatus* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host  
a b]

SYRPHIDAE: a, *Platycheirus erraticus*; b, *Sphaerophoria robusta*.

### ***Promethes sulcator* (Gravenhorst)**

*Bassus sulcator* Gravenhorst, Ichneum. Europeae, 1829, 3: 320. ♂, ♀.  
[o.d., numerous localities in central Europe (?Breslau Mus.)]

*Bassus costalis* Provancher, Nat. Canad., 1874, 6: 31, 58. ♀. [key, o.d., Que.  
(M.P.Q.)] New synonymy.

*Bassus costalis* Provancher, Nat. Canad., 1879, 11: 277; (Faune p. 432). [key,  
des.]

*Bassus longicornis* Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 799).  
♀. [key, o.d., Que. (M.P.Q.)]

*Bassus aciculatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 368.  
♀. [o.d., St. Gertrude, Que. (M.P.Q.)]

*Bassus auriculatus* Provancher, Addit. Faune Canada, Hymén., 1888, p. 429.  
♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Promethus costalis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. ♂, ♀. [key,  
syn., des., Canada, Mont., N.H., Wash.]

*Promethus costalis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579.  
[N.Y.]

*Promethes costalis* Dalla Torre, Cat. Hymen., 1901, 3: 242. [syn.]

*Promethes sulcator* Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]

*Promethes costalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
♀. [des.]

*Promethes costalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Promethes costalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Promethes costalis* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host *a*]  
*Promethes costalis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,  
 1939, 16: 62. [Ut.]

SYRPHIDAE: *a*, *Sphaerophoria robusta*.

### SYRPHOCTONUS Foerster

*Syrphoctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus biguttatus* Gravenhorst.

*Homoporus* Thomson, Opusc. Ent., 1890, 16: 1488. Preoccupied by Thomson,  
 1878.

Genotype: *Homotropus elegans* Gravenhorst. Selected automatically by  
 Viereck when he selected this species as the genotype of *Homocidus*,  
 Proc. Ent. Soc. Wash., 1912, 14: 175.

*Homocidus* Morley, Brit. Ichneum., 1911, 4: 87. New name for *Homoporus*  
 Thomson.

### *Syrphoctonus agilis* (Cresson)

*Bassus agilis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♂. [o.d., Ill.  
 (A.N.S.P.), Conn.]

*Bassus frontalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ill.  
 (A.N.S.P.), Conn., Pa.]

*Bassus frontalis* Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429). [key,  
 des.]

*Bassus agilis* Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key,  
 des.]

*Mesoleius junctus* Provancher, Nat. Canad., 1883, 14: 10; (Faune p. 797). ♂.  
 [o.d., Que. (M.P.Q.)]

*Mesoleius junctus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 105.  
 [key]

*Bassus agilis* Riley and Howard, Insect Life, 1891, 3: 460. [host *e*]

*Bassus frontalis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Syrphoctonus agilis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key,  
 syn., des., Ill., Mass., Mich., N.H., N.J., N.C., Ont., Pa., S.D.]

*Syrphoctonus agilis* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

*Bassus frontalis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 343. [syn.]

*Syrphoctonus agilis* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Homocidus frontalis* Morley, Rev. Ichneum. Brit. Mus., 1914, 3: 134. [syn.]

*Syrphoctonus agilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
 ♂. [des., Conn.]

*Diplazon frontalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 302.  
 ♀. [des.]

*Syrphoctonus agilis* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Syrphoctonus agilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.  
 [Me.]

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*Syrphoctonus agilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Syrphoctonus agilis* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a b c d]

*Syrphoctonus agilis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

*Syrphoctonus agilis* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99, 100. [host a b c, Ill.]

*Syrphoctonus agilis* Brimley, Insects of N.C., 1938, p. 413. [N.C.]

*Homotropus agilis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

SYRPHIDAE: a, *Allograpta obliqua*; b, *Metasyrphus wiedemanni*; c, *Sphaerophoria cylindrica*; d, *Sphaerophoria robusta*; e, syrphid.

***Syrphoctonus alaskensis* (Ashmead) new combination**

*Homotropus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

***Syrphoctonus albopictus* (Davis) new combination**

*Homotropus bicapillaris* var. *albopictus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, o.d., Colo. (A.N.S.P.), Canada, Mich., Wash.]

*Homotropus bicapillaris* var. *albopictus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Homotropus bicapillaris* var. *albopictus* Washburn, Rpt. State Ent. Minn., 1908, 12: 131. [host b, Minn.]

*Homotropus bicapillaris* var. *albopictus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Homotropus albopictus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Homotropus bicapillaris* var. *albopictus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

*Homotropus bicapillaris* var. *albopictus* Fluke, Trans. Wis. Acad. Sci. Arts Letters, 1931, 26: 293. [biol., host a, Wis.]

SYRPHIDAE: a, *Metasyrphus emarginatus*. ANTHOMYIIDAE: b, *Pegomya brassicae*.

***Syrphoctonus belangerii* (Provancher) new combination**

*Bassus Belangerii* Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]

*Bassus Belangerii* Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430). [key, des.]

*Homotropus bicapillaris* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

?*Diplazon* (*Homotropus*) *bicapillaris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 304. ♀. [des., Conn.]

***Syrphoctonus compressiventris* (Cresson) new combination**

*Tryphon compressiventris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 105. ♂, ♀. [o.d., Mass. (A.N.S.P.), Conn.]



*Zootrepes montanus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 24. ♂, ♀.  
[key, o.d., Mont. (A.N.S.P.), Mich., Nev.]

*Otoblastus compressiventris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂, ♀.  
[key, des., Canada, Colo., Mass., Mich.]

*Zootrepes montanus* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Otoblastus compressiventris* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 296. ♀. [des.]

*Zootrepes compressiventris* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.  
[syn.]

*Zootrepes compressiventris* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Zootrepes compressiventris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Zootrepes compressiventris* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42.  
[host a]

SYRPHIDAE: a, *Platycheirus erraticus*.

### **Syrphoctonus cressonii** Davis

*Syrphoctonus cressonii* Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♀. [key, o.d., Nev. (A.N.S.P.)]

### **Syrphoctonus cultiformis** (Davis) new combination

*Otoblastus cultiformis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, o.d., Colo. (A.N.S.P.)]

*Zootrepes bicoloripes* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

*Zootrepes cultiformis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30.  
[syn., des.]

### **Syrphoctonus decoratus** (Cresson) new combination

*Bassus decoratus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 375. ♂. [o.d., Calif. (A.N.S.P.)]

*Homotropus decoratus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 29. ♂, ♀.  
[key, des., Calif., Nev.]

*Homotropus decoratus* Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host a b c, Calif.]

*Homotropus decoratus* Flanders, Pan-Pacific Ent., 1926, 2: 158. [Calif.]

*Homotropus decoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]

SYRPHIDAE: a, *Eupeodes volucris*; b, *Metasyrphus* sp.; c, *Sphaerophoria cylindrica*.

### **Syrphoctonus elegans** var. **nigritarsus** (Gravenhorst) new combination

(*Bassus elegans* Gravenhorst, Ichneum. Europeae, 1829, 3: 313. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)])

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- Bassus nigratarsus* Gravenhorst, Ichneum. Europeae, 1829, 3: 338. ♀. [o.d., Tauria (Europe) (?Breslau Mus.)]  
*Homotropus elegans* var. *nigratarsis* (!) Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland, Europe]  
*Homotropus elegans* Hendriksen and Lundbeck, Meddel om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]  
*Homotropus elegans nigratarsus* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 285. [syn., Greenland]  
*Homotropus elegans nigratarsus* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [Greenland]  
*Homotropus elegans nigratarsus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [des., Greenland]

**Syrphoctonus foutsii** Cushman

- Syrphoctonus foutsii* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 12. ♂, ♀. [o.d., Glen Echo, Md. (U.S.N.M.)]  
*Syrphoctonus foutsii* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 414. [Me.]

**Syrphoctonus gillettii** Davis

- Syrphoctonus gillettii* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♀. [key, o.d., Colo. (A.N.S.P.)]

**Syrphoctonus groenlandicus** (Holmgren) new combination

- Bassus groenlandicus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 97. ♂. [o.d., North Greenland (?Stockholm Mus.)]  
*Bassus groenlandicus* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. [Greenland]  
*Bassus groenlandicus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. ♀. [des., Greenland]  
*Bassus groenlandicus* Nielsen, Meddel. om Grønland, 1907, 29: 385. [Greenland]  
*Homotropus elegans* Hendricksen and Lundbeck, Meddel. om Grønland, 1918, 22: 530. [syn. (in part), Europe, Greenland]  
*Homotropus groenlandicus* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

**Syrphoctonus humeralis** (Provancher) new combination

- Lampronota macra* Provancher, Nat. Canad., 1873, 5: 476. ♂. [key, Que.]  
 Misdetermined.  
*Tryphon humeralis* Provancher, Nat. Canad., 1875, 7: 117. ♀. [key, o.d., Que. (M.P.Q.)]  
*Bassus fuscitarsus* Provancher, Nat. Canad., 1875, 7: 143, 144. ♂. [key, o.d., Que. (M.P.Q.)]  
*Tryphon humeralis* Provancher, Nat. Canad., 1875, 7: 311. [key]

- Bassus humeralis* Provancher, Nat. Canad., 1879, 11: 274; (Faune p. 429).  
♂, ♀. [key, syn., des.]
- Bassus fuscitarsus* Provancher, Nat. Canad., 1879, 11: 275; (Faune p. 430).  
[key, des.]
- Bassus humeralis* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Homotropus humeralis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀.  
[key, syn., des., Calif., Canada, Colo., Mont., Nev., Wash.]
- Homotropus humeralis* Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol.,  
host a b c, Calif.]
- Homotropus humeralis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136.  
[Me.]
- Homotropus humeralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
949. [N.Y.]
- Homotropus humeralis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Diplazon humeralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.  
2: 103. [Mass.]
- Homotropus humeralis* Cole, Jour. Econ. Ent., 1933, 26: 862. [host a, Calif.]
- Homotropus humeralis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 413.  
[host d, Me.]
- Homotropus humeralis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts  
Letters, 1939, 16: 62. [Ut.]
- SYRPHIDAE: a, *Allograpta obliqua*; b, *Eupeodes volucris*; c, *Scaeva pyrastris*. Miscel-  
laneous: d, larva on leaves of *Betula alba*.

### **Syrphoctonus laevis** Brues

- Syrphoctonus laevis* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 53. ♀. [o.d.,  
Beulah, N.M. (Milwaukee Pub. Mus.)]

### **Syrphoctonus maculifrons** (Cresson)

- Bassus maculifrons* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 272. ♀. [o.d.,  
Colo. (A.N.S.P.)]
- Bassus semifasciatus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 87. ♂.  
[o.d. (?Ill.) (type destroyed)]
- Bassus maculifrons* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♂, ♀.  
[des., Calif., Colo.]
- Bassus maculifrons* Riley and Howard, Insect Life, 1891, 3: 460. [host f, Calif.]
- Syrphoctonus maculifrons* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀.  
[key, syn., des., Calif., Colo., Ill., Mont., Nev.]
- Syrphoctonus maculifrons* Burke, Proc. Ent. Soc. Wash., 1906, 7: 89. [host a b]
- Syrphoctonus maculifrons* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291.  
[Colo.]
- Syrphoctonus maculifrons* Campbell and Davidson, Bull. So. Calif. Acad. Sci.,  
1924, 23: 9. [host c, Calif.]

- Syrphoctonus maculifrons* Kamal, Jour. Econ. Ent., 1926, 19: 722, 727. [biol., host c d e, Calif.]
- Syrphoctonus maculifrons* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Syrphoctonus maculifrons* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host g, Ut.]
- Syrphoctonus maculifrons* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Syrphoctonus maculifrons* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 67. [host e, Calif.]

SYRPHIDAE: a, *Cheilusia alaskensis*; b, *Cheilusia hoodiana*; c, *Eupeodes volucris*; d, *Metasyrphus* sp.; e, *Scaeva pyrastris*; f, *Syrphus* sp.; g, syrphid.

***Syrphoctonus melanogaster* (Holmgren) new combination**

- Bassus melanogaster* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6: 98. ♂. [o.d., northern Greenland (?Stockholm Mus.)]
- Bassus melanogaster* Aurivillius, Bihang Svensk. Vet.-Akad. Handl., 1890, 15: 29. ♀. [des., Greenland]
- Bassus melanogaster* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 232. [Greenland]
- Homotropus melanogaster* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 10. ♂, ♀. [des., Greenland]
- Homotropus melanogaster* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. [des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [syn., des.]
- Homotropus melanogaster* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Greenland]

***Syrphoctonus minimus* (Cresson)**

- Tryphon minimus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 281. ♀. [o.d., Ill. (A.N.S.P.)]
- Bassus ruficrus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 86. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 21. [syn.] Description and records erroneous.
- Otoblastus minimus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♀. [key, des.]
- Promethus ruficrus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 347. [syn. (in part)]
- Promethes ruficrus* Dalla Torre, Cat. Hymen., 1901, 3: 244. [syn.]
- Anecphysis ruficrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 301. [syn.] Description and record erroneous.
- Syrphoctonus minimus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]

- Syrphoctonus minimus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]  
*Syrphoctonus minimus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]  
*Syrphoctonus minimus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Syrphoctonus ornatus* (Gravenhorst) new combination**

- Bassus ornatus* Gravenhorst, Ichneum. Europeae, 1829, 3: 341. ♂. [o.d., Warmbrunn, Germany (?Breslau Mus.)]  
*Bassus ornatus* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 231. [Greenland]  
*Homotropus ornatus* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. [Africa, Europe, Greenland]

***Syrphoctonus pacificus* (Cresson)**

- Bassus maculifrons* Holmgren, Eugenes Resa, 1868, Insect. p. 410. ♀. [o.d., San Francisco, Calif. (?Stockholm Mus.)] Preoccupied by Cresson, 1865.  
*Bassus pacificus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂, ♀. [o.d., Calif. (A.N.S.P.), B.C.]  
*Bassus xanthopsis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 440. ♂. [o.d., host e, Alameda, Calif. (U.S.N.M.)]  
*Syrphoctonus pacificus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 26. ♂, ♀. [key, syn., des., B.C., Calif., Nev., Wash.]  
*Syrphoctonus pacificus* Harrington, Canad. Ent., 1897, [B.C.] "♂ descr. from V. I. Coll. H. Edwards."  
*Syrphoctonus pacificus* Nason, Ent. News, 1905, 16: 169. [Ill.]  
*Homotropus maculifrons* Roman, Ent. Tidskr., 1910, 31: 166. [syn.]  
*Syrphoctonus minimus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn. (in part)]  
*Syrphoctonus pacificus* Kamal, Jour. Econ. Ent., 1926, 19: 723, 727. [biol., host a b c d, Calif.]

SYRPHIDAE: a, *Allograpta obliqua*; b, *Eupeodes volucris*; c, *Metasyrphus* sp.; d, *Scaeva pyrastris*; e, *Syrphus* sp.

***Syrphoctonus pallipennis* (Provancher) new combination**

- Bassus pallipennis* Provancher, Nat. Canad., 1874, 6: 31, 56. ♀. [key, o.d., Que. (M.P.Q.)]  
*Bassus pallipennis* Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]  
*Homotropus pallipennis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♀. [key, des., Canada]  
*Homotropus pallidipennis* Dalla Torre, Cat. Hymen., 1901, 3: 238. Emendation of *Bassus pallipennis* Provancher.

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**Syrphoctonus pectoralis** (Provancher) new combination

*Bassus pectoralis* Provancher, Nat. Canad., 1874, 6: 32. ♂. [key, o.d., Que. (M.P.Q.)]

*Bassus pectoralis* Provancher, Nat. Canad., 1879, 11: 276; (Faune p. 431). [key, des.]

*Homotropus bicapillaris* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. ♂, ♀. [key, syn., des., Canada, Colo., Ill., N.H. (in part)]

**Syrphoctonus pleuralis** (Cresson)

*Bassus pleuralis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 111. ♀. [o.d., Ohio (A.N.S.P.)]

*Bassus syrphicola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 439. ♂, ♀. [o.d., host b, San Francisco, Calif. (U.S.N.M.)]

*Syrphoctonus pleuralis* Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂, ♀. [key, syn., des., Calif., Ohio]

*Syrphoctonus pleuralis* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Syrphoctonus pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 950. [N.Y.]

*Syrphoctonus pleuralis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Syrphoctonus pleuralis* Heiss, Ill. Biol. Monog., 1938, 36, no. 1: 99. [host a, Ill.]

SYRPHIDAE: a, *Syrphus torvus*; b, syrphid.

**Syrphoctonus robustus** Davis

*Syrphoctonus robustus* Davis, Trans. Amer. Ent. Soc., 1895, 22: 25. ♂. [key, o.d., Wash. (A.N.S.P.)]

**Syrphoctonus vertebratus** Cushman

*Syrphoctonus bilineatus* Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.

*Hemertosoma* (!) *quinquecinctum* Slosson, Ent. News, 1902, 13: 320. [N.H.] Nomen nudum.

*Syrphoctonus vertebratus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 29. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

**PHTHORIMA** Foerster

*Phthorima* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: *Bassus compressus* Desvignes.

*Phthorimus* Thomson, Opusc. Ent., 1890, 14: 1465, 1474.

Genotype: *Bassus compressus* Desvignes.

**Phthorima bidens** (Davis)

*Otoblastus bidens* Davis, Trans. Amer. Ent. Soc., 1897, 24: 273. ♂. [key, o.d., Mich. (A.N.S.P.)]

*Phthorima?* *bidens* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [syn.]

**Phthorima extensor** Cushman

*Phthorima extensor* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 264. ♀. [o.d., Va., near Plummers Is. Md. (U.S.N.M.), D.C.]

**Phthorima sulciclypeus** Cushman

*Phthorima sulciclypeus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 265. ♀. [o.d., Mt. Washington, N.H. (U.S.N.M.)]

**ENIZEMUM** Foerster

*Enizemum* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

Genotype: (*Bassus tibialis* Cresson) = *petiolatum* Say.

*Homotropus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 162.

New synonymy.

Genotype: (*Bassus bicapillaris* Walsh) = *petiolatum* Say.

**Enizemum neomexicanum** Brues

*Enizemum neomexicanum* Brues, Bull. Wis. Nat. Hist. Soc., 1908, 6: 54. ♀. [o.d., Beulah, N.M. (Milwaukee Pub. Mus.)]

**Enizemum petiolatum** (Say)

*Pimpla?* *petiolatus* Say, Boston Jour. Nat. Hist., 1836, 1: 224; (Leconte Ed. 2: 683). (♂). [o.d., Ind. (type destroyed)]

*Bassus tibialis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 110. ♀. [o.d., Ill. (A.N.S.P.)]

*Bassus bicapillaris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 88. ♀ (not ♂). [o.d., (?Ill.) (type destroyed)] New synonymy.

*Bassus tibialis* Provancher, Nat. Canad., 1874, 6: 32. ♂, ♀. [key, Que.]

*Bassus tibialis* Provancher, Nat. Canad., 1875, 7: 144. [key]

*Bassus tibialis* Provancher, Nat. Canad., 1879, 11: 273; (Faune p. 428). [key, des.]

*Enizemum tibiale* Davis, Trans. Amer. Ent. Soc., 1895, 22: 27. ♂, ♀. [des., Canada, Colo., Ill., Mont.]

*Homotropus bicapillaris* Davis, Trans. Amer. Ent. Soc., 1895, 22: 28. [syn.] Key, des., and records based on misdetermination.

*Enizemum tibiale* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 226. [Alaska, Kans.]

*Enizemum tibiale* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Homotropus bicapillaris* Nason, Ent. News, 1905, 16: 169. [Ill.]

*Pimpla parvialba* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. ♀ (not ♂). [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

*Homotropus bicapillaris* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Pimpla? petiolata* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [syn.]  
*Enizemum tibiale* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]  
*Homotropus bicapillaris* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 949. [N.Y.]  
*Enizemum tibiale* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host a]  
*Enizemum tibiale* Brimley, Insects of N.C., 1938, p. 413. [N.C.]  
*Diplazon bicapillaris* Brimley, Insects of N.C., 1938, p. 413. [N.C.]  
*Enizemum petiolatum* Townes, Ann. Ent. Soc. Amer., 1940, 33: 323. [syn., N.Y.]

SYRPHIDAE: a, *Metasyrphus wiedemanni*.

### Subfamily 10. METOPIINAE

#### METOPIUS Panzer

##### Subgenus *Metopius* Panzer \*

- Metopius* Panzer, Krit. Rev., 1806, 2: 78.  
 Genotype: *Sphex vespoides* Scopoli.  
*Peltastes* Illiger, Rossi's Faun Etrusca, Ed. 2, 1807, 2: 55.  
 Genotype: (*Ichneumon necatorius* Fabricius) = *vespoides* Scopoli.  
*Peltopius* Clément, Konowia, 1930, 8: 387.  
 Genotype: *Sphex vespoides* Scopoli.

##### Subgenus *Clémentia* Michener

- Clémentia* Michener, Pan-Pacific Ent., 1941, 17: 2.  
 Genotype: *Ichneumon micratorius* Fabricius.

#### *Metopius* (*Clémentia*) *basalis* Cresson, new combination

- Metopius basalis* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀.  
 [o.d., Fla. (A.N.S.P.)]  
*Metopius basalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

#### *Metopius* (*Clémentia*) *bellus* Cresson

- Metopius bellus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♂.  
 [o.d., Nev. (A.N.S.P.)]  
*Metopius bellus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]  
*Metopius bellus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]  
*Metopius* (*Clémentia*) *bellus* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

\* The subgenus *Metopius* is not represented in the Nearctic Region.



**Metopius (Clémontia) birkmani** Brues, new combination

*Metopius birkmani* Brues, Bull. Wis. Nat. Hist. Surv., 1907, 5: 56. ♂, ♀.  
[o.d., Lee Co., Tex. (Milwaukee Public Mus.)]

**Metopius (Clémontia) comptus** Cresson, new combination

*Metopius comptus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.  
♀. [o.d., Colo. (A.N.S.P.)]

*Metopius laticinctus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.  
♂. [o.d., Colo. (A.N.S.P.)]

*Metopius comptus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

*Metopius laticinctus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius comptus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂, ♀.  
[key, syn., des.]

**Metopius (Clémontia) concinnus** Cresson, new combination

*Metopius concinnus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii.  
♂. [o.d., Nev. (A.N.S.P.)]

*Metopius concinnus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius montanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀.  
[key, syn., des. (in part)]

**Metopius (Clémontia) edwardsii** Cresson, new combination

*Metopius Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 376. ♂.  
[o.d., Wash. Territory (A.N.S.P.)]

*Metopius nevadensis* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii.  
♂, ♀. [o.d., Nev. (A.N.S.P.)]

*Metopius edwardsii* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius nevadensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀.  
[key, syn., des.]

*Metopius (Clémontia) nevadensis* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

**Metopius (Clémontia) errantia** Davis, new combination

*Metopius errantia* Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key,  
o.d., Gaylord, Mich. (Mich. State College)]

**Metopius (Clémontia) grandior** Viereck, new combination

*Metopius grandior* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 314. ♀. [o.d.,  
Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

*Metopius grandior* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [des.]

**Metopius (Clémontia) harbecki** Skinner, new combination

*Metopius harbecki* Skinner, Ent. News, 1906, 17: 150. (♂). [o.d., German-  
town, Philadelphia, Pa. (A.N.S.P.)]

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**Metopius (Clémontia) medianus** Morley, new combination

*Metopius medianus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. ♂. [key, o.d., Ga. (British Mus.)]

**Metopius (Clémontia) montanus** Cresson

*Metopius montanus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♂. [o.d., Colo. (A.N.S.P.)]

*Metopius mirandus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxviii. ♀. [o.d., Colo. (A.N.S.P.)]

*Metopius montanus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

*Metopius mirandus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius montanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [key, syn., des. (in part)]

*Metopius (Clémontia) montanus* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

**Metopius (Clémontia) pollinatorius** (Say)

*Peltastes pollinatorius* Say, Boston Jour. Nat. Hist., 1836, 1: 245; (Leconte Ed. 2: 700). ♂, ♀. [o.d., Ind., Pa. (type destroyed)]

*Metopius pinatorius* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

*Metopius cordiger* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 120. ♂. [o.d., Carolina (Paris Mus.)]

*Metopius pollinatorius* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 91. ♂, ♀. [syn., des.]

*Metopius pollinatorius* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 44. [Colo.]

*Metopius pollinatorius* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius pollinatorius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂, ♀. [key, des., Ill., Mass., Mich., N.J., N.Y., Pa.]

*Metopius pollinatorius* Harrington, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 100. [Ont.]

*Metopius micratorius pollinatorius* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 78. [Hudson Bay]

*Metopius pollinatorius* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 309. ♂, ♀. [des., Conn.]

*Metopius pollinatorius* Weiss, Jour. N.Y. Ent. Soc., 1924, 32: 74. [host b, N.J.]

*Metopius pollinatorius* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

*Metopius pollinatorius* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

*Metopius pollinatorius* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host a, Me.]

*Metopius pollinatorius* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

*Metopius (Clémontia) pollinatorius* Michener, Pan-Pacific Ent., 1941, 17: 2. [syn.]

PHALAEINIDAE: a, *Acronicta obliterata*. SATURNIIDAE: b, *Tropaea luna*.

**Metopius (Clémentia) pulchellus** Cresson, new combination

*Metopius pulchellus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 271. ♀. [o.d., Colo. (A.N.S.P.)]

*Metopius pulchellus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

*Metopius pulchellus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♀. [key, des., Colo., N.M., S.D.]

**Metopius (Clémentia) robustus** Cresson, new combination

*Metopius robustus* Cresson, Trans. Amer. Ent. Soc., 1879, 7: Proc. p. xxvii. ♀. [o.d., Md. (A.N.S.P.)]

*Metopius robustus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius robustus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♀. [key, des.]

*Metopius robustus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

**Metopius (Clémentia) rufipes** Cresson, new combination

*Metopius rufipes* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 270. ♀. [o.d., Colo. (A.N.S.P.)]

*Metopius rufipes* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius rufipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♀. [key, des.]

**Metopius (Clémentia) scitulus** Cresson, new combination

*Metopius scitulus* Cresson, Trans. Amer. Ent. Soc., 1897, 7: Proc. p. xxix. ♂. [o.d., Nev. (A.N.S.P.)]

*Metopius scitulus* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

*Metopius scitulus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 201. ♂. [key, des.]

**Metopius (Clémentia) ultimatus** Davis, new combination

*Metopius ultimatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 199. ♂. [key, o.d., Ill. (A.N.S.P.)]

*Metopius ultimatus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

**Metopius (Clémentia) xanthostigma** Ashmead, new combination

*Metopius xanthostigma* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 438. ♂. [o.d., N.C. (U.S.N.M.)]

*Metopius xanthostigma* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 105. [key]

*Metopius xanthostigma* Davis, Trans. Amer. Ent. Soc., 1897, 24: 200. ♂. [key, des.]

*Metopius xanthostigma* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

Subgenus **Cultrarius** Davis

*Cultrarius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197.

Genotype: *Metopius rileyi* Marlatt.

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**Metopius (Cultrarius) rileyi** Marlatt

*Metopius* sp. Marlatt, Insect Life, 1890, 3: 177. [des.]

*Metopius rileyi* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 103. ♀. [key, o.d., fig., Kans., S.D. (U.S.N.M.)]

*Cultrarius rileyi* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197. ♀. [des.]

**PSEUDOMETOPIUS** Davis

*Pseudometopius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 197, 202.

Genotype: *Metopius hagenii* Cresson.

**Pseudometopius hagenii** (Cresson)

*Metopius Hagenii* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂, ♀. [o.d., Dallas Co., Tex. (Harvard Univ.), Mass.]

*Metopius Hageni* Provancher, Nat. Canad., 1880, 12: 69; (Faune p. 473). [des., Que.]

*Metopius hageni* Marlatt, Proc. Ent. Soc. Wash., 1891, 2: 104. [key]

*Metopius nagenii* (!) Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Pseudometopius hageni* Davis, Trans. Amer. Ent. Soc., 1897, 24: 202. ♂, ♀. [des., Mass., Mich., Tex.]

*Pseudometopius hageni* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

**CHORINAEUS** Holmgren

*Chorinaeus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 305, 320.

Genotype: *Exochus funebris* Gravenhorst.

*Polyrhabdus* Walsh, Trans. St. Louis Acad. Sci., 1873, 3: 98.

Genotype: *Polyrhabdus cariniger* Walsh.

**Chorinaeus californicus** Ashmead

*Chorinaeus californicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♂. [o.d., Santa Cruz Mts., Calif. (U.S.N.M.)]

*Chorinaeus carinatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀. [key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

**Chorinaeus carinatus** (Cresson)

*Tryphon carinatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 273. ♂. [o.d., Ill. (A.N.S.P.)]

*Exochus carinatus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. [des., Conn., Ill., Mass.]

*Tryphon carinatus* Provancher, Nat. Canad., 1875, 7: 310, 311. [key, des., Que.]

*Chorinaeus carinatus* Provancher, Nat. Canad., 1879, 11: 278; (Faune p. 433). [des.]

*Chorinaeus carinatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 208. ♂, ♀.  
[key, syn., des., Calif., Canada, Conn., Mich., N.H. (in part)]

*Chorineus* (!) *carinatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. [key]

*Chorinaeus carinatus* Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136.  
[Me.]

*Chorinaeus carinatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Chorinaeus carinatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 103. [Mass.]

### ***Chorinaeus cariniger* (Walsh)**

*Polyrhaddus cariniger* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 98. ♂, ♀.  
[o.d., (?Ill.) (type destroyed)]

*Chorinaeus cariniger* Cresson, Synops. Hymen. N. Amer., 1887, p. 213. [syn.]

*Chorinaeus cariniger* Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.  
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

*Chorineus* (!) *cariniger* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.  
[key]

*Chorinaeus cariniger* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

### ***Chorinaeus constrictus* Davis**

*Chorinaeus constrictus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,  
o.d., Franconia, N.H. (A.N.S.P.)]

### ***Chorinaeus costatus* Davis**

*Chorinaeus costatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.  
[key, o.d., N.H. (A.N.S.P.), Conn.]

*Chorinaeus costalis* (!) Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Chorineus* (!) *costatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308.  
[key]

*Chorinaeus costatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

### ***Chorinaeus excessorius* Davis**

*Chorinaeus excessorius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♀. [key,  
o.d., Wash. (A.N.S.P.)]

### ***Chorinaeus flavifrons* Ashmead**

*Chorinaeus flavifrons* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 444. ♀.  
[o.d., Wis. (U.S.N.M.)]

*Chorinaeus cariniger* Davis, Trans. Amer. Ent. Soc., 1897, 4: 210. ♂, ♀.  
[key, syn., des., Conn., Ill., Mich., Wash., Wis. (in part)]

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**Chorinaeus marlatti** Ashmead

*Chorinaeus marlatti* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. ♀.  
[o.d., Riley Co., Kans. (U.S.N.M.)]

*Chorinaeus marlatti* Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,  
des., Ill., Kans.]

**Chorinaeus onitis** Davis

*Chorinaeus onitis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♂, ♀. [key,  
o.d., Mt. Washington, N.H. (A.N.S.P.)]

*Chorinaeus onitis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.  
[N.Y.]

**Chorinaeus opacitas** Davis

*Chorinaeus opacitas* Davis, Trans. Amer. Ent. Soc., 1897, 24: 210. ♀. [key,  
o.d., Nev. (A.N.S.P.)]

**Chorinaeus pleturus** Davis

*Chorinaeus pleturus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♀. [key,  
o.d., Agricultural College, Mich. (Mich. State College)]

**Chorinaeus pusillus** Davis

*Chorinaeus pusillus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 211. ♂, ♀.  
[key, o.d., Wash. (A.N.S.P.), Colo., N.H.]

**Chorinaeus texanus** (Cresson)

*Exochus texanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♂. [o.d.,  
Bosque Co., Tex. (U.S.N.M.)]

*Chorinaeus texanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 200. [syn.]

*Chorinaeus texanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 209. ♂, ♀.  
[key, des., Colo., Tex.]

**SPUDAEUS** Gistel

*Trachyderma* Gravenhorst, Ichneum. Europeae, 1829, 3: 283. Preoccupied by  
Latreille, 1829.

Genotype: *Trachyderma scabra* Gravenhorst

*Spudaeus* Gistel, Naturg. Thierr. 1848, p. xi. New name for *Trachyderma*  
Gravenhorst.

*Tylocomnus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh. 1873, 30, pt. 4: 76.  
New name for *Trachyderma* Gravenhorst.

**Spudaeus indigus** (Davis) new combination

*Tylocomnus* (!) *indigus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♂, ♀.  
[key, o.d., Colo. (A.N.S.P.) N.H.]

**Spudaeus minoris** (Davis) new combination

*Tylecomnus* (!) *minoris* Davis, Trans. Amer. Ent. Soc., 1897, 24: 204. ♀.  
[key, o.d., N.H. (A.N.S.P.)]

**Spudaeus umbrosus** (Davis) new combination

*Tylecomnus* (!) *umbrosus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.  
[key, o.d., Wash. (A.N.S.P.), Nev.]

**PERIOPE** Haliday

*Periope* Haliday, Ann. Nat. Hist., 1839, 2: 114.

Genotype: *Periope auscultator* Haliday.

*Monoplectron* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 63, 81.

Genotype: (*Monoplectron zygaenator* Holmgren) = *auscultator* Haliday.

*Oligoplectron* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Periope auscultator* Haliday.

**Periope aethiops** (Cresson)

*Tryphon aethiops* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 106. ♀. [o.d.,  
Mass. (A.N.S.P.), Conn.]

*Chorinaeus pulchripes* Provancher, Nat. Canad., 1883, 14: 12; (Faune p. 800).

♀. [o.d., Chicoutimi, Que. (M.P.Q.)] New synonymy.

*Pseudometopius pulchripes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 203. ♀.  
[des.]

*Periope aethiops* Davis, Trans. Amer. Ent. Soc., 1897, 24: 206. ♂. [des.,  
Mass., Ont.]

*Periope aethiops* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂.  
[des.]

*Periope aethiops* Washburn, Ann. Rpt. St. Ent. Minn., 1918, 17: 173. [biol.,  
Minn.]

*Periope aethiops* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 136. [Me.]

*Periope aethiops* Brown, Canad. Ent., 1934, 66: 262. [Ont.]

**COLPOTROCHIA** Holmgren

*Colpotrochia* Holmgren, Svensk. Vet.-Akad. Handl., 1856, 75: 80.

Genotype: *Ichneumon elegantulus* Schrank.

*Alcocerus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Tryphon? trifasciatus* Cresson.

*Exochoides* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 37.

Genotype: *Exochoides mexicana* Cresson.

*Ischyrocnemopsis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. New syn-  
onymy.

Genotype: *Exochoides texana* Cresson.

*Inoresa* Cameron, Jour. Bombay Nat. Hist. Soc., 1909, 19: 724.

Genotype: *Inoresa pilosa* Cameron.

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**Colpotrochia texana** (Cresson) new combination

*Exochodes* (!) *texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. ♂. [o.d., Comal Co., Tex. (A.N.S.P.)]

*Ischyrocnemis carolina* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♂. [o.d., N.C. (U.S.N.M.)]

*Exochoides texanus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂. [syn., des., N.C., Tex.]

*Ischyrocnemopsis texanus* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 81. [syn.]

*Exochoides texanus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

**Colpotrochia trifasciata** (Cresson)

*Tryphon*? *trifasciatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 276. ♂. [o.d., Pa. (A.N.S.P.)]

*Exochoides trifasciata* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [syn.]

*Alcocerus trifasciatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 207. ♂, ♀. [des., N.C., N.Y., Pa.]

*Alcocerus trifasciatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 308. ♂, ♀. [des.]

*Colpotrochia trifasciata* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

*Colpotrochia trifasciata* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 30. [biol.]

**TRICLISTUS** Foerster

*Triclistus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Exochus podagricus* Gravenhorst.

**Triclistus brunnipes** (Cresson)

*Exochus brunnipes* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 374. ♀. [o.d., Nev. (A.N.S.P.)]

*Triclistus brunneipes* (!) Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

*Triclistus brunnipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♀. [key, des.]

**Triclistus congener** (Holmgren) \*

*Exochus congener* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 1: 319. ♂, ♀. [o.d., Norway, Sweden (?Stockholm Mus.)]

*Triclistus congener* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1873, 30, no. 4: 57. [des., fig., Scandinavia]

*Triclistus congener* Davis, Trans. Amer. Ent. Soc., 1897, 24: 212. ♂, ♀. [key, des., Mont., Nev., Wash.]

\* Occurrence in the Nearctic Region needs confirmation.



**Triclistus fulvipes** (Cresson)

*Exochus fulvipes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂, ♀. [o.d., Pa. (A.N.S.P.)]

*Exochus fulvipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Pa.]

*Exochus fulvipes* Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437). [key, des., Que.]

*Exochus fulvipes* Riley and Howard, Insect Life, 1891, 3: 461. [host d, Mo.]

*Triclistus fulvipes* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

*Triclistus curvator* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key, des., Calif., Canada, Colo., Ill., Mich., Mont., Nev., N.H., N.J., Pa., Wash.] Misdetermined.

*Trichistus* (!) *curvator* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.] Misdetermined.

*Triclistus curvator* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 232. [Alaska] Misdetermined.

*Triclistus curvator* Nason, Ent. News, 1905, 16: 168. [Ill.] Misdetermined.

*Triclistus curvator* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key] Misdetermined.

*Exochus curvator* Chittenden, Bull. U. S. Dept. Agr., 1920, 914: 10. [host c, Va.] Misdetermined.

*Exochus curvator* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host c, Pa.] Misdetermined.

*Triclistus curvator* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 54. [host a] Misdetermined.

*Triclistus curvator* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.

*Triclistus curvator* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host c, Va.] Misdetermined.

*Triclistus curvator* Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 136. [Me.] Misdetermined.

*Triclistus curvator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a c d g, N.Y.] Misdetermined.

*Triclistus curvator* Haeussler, Jour. Agr. Res., 1930, 41: 367. [host f, Md., N.J.] Misdetermined.

*Triclistus curvator* Cameron, Ann. Rpt. Que. Soc. Protect. Plants, 1931, 22: 42. [host a, N.S.] Misdetermined.

*Triclistus curvator* Walley, Canad. Ent., 1932, 64: 183. [host e, Ont.] Misdetermined.

*Triclistus curvator* Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host b, Minn.] Misdetermined.

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. TORTRICIDAE: b, *Archips cerasivorana*; c, *Argyrotaenia velutinana*; d, *Homona fervidana*. OLETHREUTIDAE: e, *Exartema exaerensum*; f, *Grapholitha molesta*; g, *Polychrosis viteana*.

**Triclistus propinquus** (Cresson)

*Exochus propinquus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀.  
[o.d., Conn. (A.N.S.P.), Me., Mass.]

*Exochus propinquus* Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

*Exochus propinquus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀.  
[key, des., Conn., Me., Mass., Mich.]

*Exochus propinquus* Slosson, Ent. News, 1902, 13: 5. [N.H.]

*Exochus propinquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, fig.]

*Exochus propinquus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1917, 47: 159. [Alta.]

*Exochus propinquus* Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host a, Conn.]

*Triclistus propinquus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Exochus propinquus* Essig, Insects of Western N. Amer., 1926, p. 793. [Calif.]

*Triclistus propinquus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Triclistus porpinquus* Balduf, Ohio Jour. Sci., 1929, 29: 234. [des., biol., host c, Ill.]

*Triclistus propinquus* Montgomery, Canad. Ent., 1933, 65: 186. [host b, Ind.]

GLYPHIPTERYGIDAE: a, *Anthophila pariana*. PYRAUSTIDAE: b, *Desmia funeralis*; c, *Phlyctaenia tertialis*.

**Triclistus pygmaeus** (Cresson)

*Exochus pygmaeus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♀ (not ♂).  
[o.d., Ill. (A.N.S.P.)]

*Exochus pygmaeus* Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

*Exochus pygmaeus* Provancher, Nat. Canad., 1880, 12: 5; (Faune p. 437).  
[key, des.]

*Triclistus pygmaeus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

*Triclistus pygmaeus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des., Canada, Ill.]

*Triclistus* (!) *pygmaeus* Slosson, Ent. News, 1906, 17: 324. [N.H.]

*Triclistus* (!) *pygmaeus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]

*Triclistus pygmaeus* Herrick, Bull. Cornell Univ. Agr. Exp. Sta., 1912, 311: 291. [host a, N.Y.]

*Trichistus* (!) *pygmaeus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host b]

*Triclistus pygmaeus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]

*Triclistus pygmaeus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

*Triclistus pygmaeus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

TORTRICIDAE: a, *Archips cerasivorana*. PYRAUSTIDAE: b, *Desmia funeralis*.

**Triclistus thoracicus** (Ashmead)

*Triclistus thoracicus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♀.  
[o.d., Dixie Landing, Va. (U.S.N.M.)]

*Triclistus thoracicus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

*Triclistus thoracicus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

**HYPSICERA** Latreille

*Hypsicera* Latreille, in Cuvier: Regne Anim., Ed. 2, 1829, 5: 288.

Genotype: (*Alomya* (*Hypsicera*) sp. near *femoralis* Gravenhorst) = *femoralis* Fourcroy.

*Metacoelus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: (*Exochus femoralis* Gravenhorst) = *femoralis* Fourcroy.

*Polyclistus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.

Genotype: *Ichneumon femoralis* Fourcroy.

*Plesioexochus* Cameron, Trans. South Afr. Philos. Soc., 1905, 15: 102.

Genotype: (*Plesioexochus rufipes* Cameron) = *femoralis* Fourcroy.

**Hypsicera femoralis** (Fourcroy)

*Ichneumon femoralis* Fourcroy, Entomologia Parisiensis, 1785, 2: 396. [o.d., (?Paris, France) (location of type unknown)] This reference not seen.

*Alomya* (*Hypsicera*) sp. Latreille, in Cuvier: Regne Animal, Ed. 2, 1829, 5: 288. [des., France]

*Exochus laevis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂, ♀. [o.d., Ill. (A.N.S.P.), Calif.] New synonymy.

*Exochus laevis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [eastern, middle, and western states]

*Exochus laevis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 93. ♀. [des.]

*Exochus laevis* Provancher, Nat. Canad., 1875, 7: 138. [key, Que.]

*Exochus laevis* Provancher, Nat. Canad., 1880, 12: 5; (Faune, p. 437). [key, des.]

*Exochus laevis* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Exochus laevis* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Exochus laevis* Riley and Howard, Insect Life, 1891, 3: 461. [host *a b*, D.C.]

*Exochus laevis* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Exochus laevis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

*Metacoelus laevis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [des., Calif., Canada, Colo., Ill., Mich., N.Y., Ore., Wash.]

*Netacoelus* (!) *laevis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Metacoelus laevis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 579. [N.J.]

*Metacoelus laevis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]

*Metacoelus laevis* Nason, Ent. News, 1905, 16: 168. [Ill.]

- Metacoelus laevis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Colo.]  
*Metacoelus laevis* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]  
*Hypsicera femoralis* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 74. [syn.]  
*Metacoelus laevis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307.  
 ♂, ♀. [des.]  
*Estochus* (!) *laevis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
 [Minn.]  
*Exochus laevis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]  
*Metacoelus laevis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951.  
 [N.Y.]  
*Metacoelus laevis* Brown, Canad. Ent., 1934, 66: 282. [Ont.]

TORTRICIDAE: a, tortricid leaf gall on *Solidago graminifolia*. PYRALIDIDAE: b, pyralid on *Alnus rugosa*.

***Hypsicera mansuetor*** (Gravenhorst) new combination

- Ichneumon mansuetor* Gravenhorst, Vergl. Übers. Zool. System., 1807, p. 254.  
 [o.d., no locality given but probably from central Europe (?Breslau Mus.)]  
*Hyperacmus tineae* Riley, Insect Life, 1890, 2: 213. [o.d. as a fig., hots b,  
 (Adrian), Mich. (U.S.N.M.)]  
*Hyperacmus tineae* Riley and Howard, Insect Life, 1891, 3: 461. [Mich.]  
*Hyperacmus ovatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♀. [o.d.,  
 host a, Conn. (A.N.S.P.), Mich.]  
*Hyperacmus tineae* Slosson, Ent. News, 1902, 13: 321. [N.H.]  
*Exochus ovatus* Marlatt, Farmers' Bull. U. S. Dept. Agr., 1915, 659: 4 [syn.]  
*Hyperacmus ovatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 305.  
 ♀. [des.]  
*Metacoelus mansuetor* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]  
*Metacoelus mansuetor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 951. [host c, N.Y.]  
 TINEIDAE: a, *Tinea* sp., b, *Tineola pellionella*. PYRALIDIDAE: c, *Pyralis farinalis*.

**EXOCHUS** Gravenhorst

- Exochus* Gravenhorst, Ichneum. Europeae, 1829, 2: 328.  
 Genotype: *Ichneumon gravipes* Gravenhorst.  
*Amesolytus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 161.  
 New synonymy.  
 Genotype: *Amesolytus ferrugineus* Ashmead.  
*Mima* Davis, Trans. Amer. Ent. Soc., 1897, 24: 206, 219. Preoccupied by  
 Meigen, 1820 and by Westerlund, 1886. New synonymy.  
 Genotype: *Mima washingtonensis* Davis.

***Exochus albiceps*** Walsh

- Exochus albiceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 96. ♂. [o.d.,  
 (?Ill.) (type destroyed)]

*Exochus albiceps* Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂. [key, des., Ill.]

***Exochus albifrons* Cresson**

*Exochus albifrons* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Ill. (A.N.S.P.)]

*Exochus albifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 94. ♂, ♀. [des.]

*Exochus annulicrus* Provancher, Nat. Canad., 1875, 7: 139. [key, des., Que.] Misdetermined.

*Exochus albifrons* Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, syn., des.]

*Exochus albifrons* Riley and Howard, Insect Life, 1891, 3: 461. [host b, Mo.]

*Exochus pallipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host. (in part)]

*Exochus albifrons* Patch, Bull. Me. Agr. Exp. Sta., 1907, 148: 265. [host a, Me.]

*Exochus albifrons* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

TORTRICIDAE: a, *Archips cerasivorana*; b, *Homona fervidana*.

***Exochus alpinus* Cushman**

*Amerolytus flavifrons* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Exochus alpinus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

***Exochus annulicrus* Walsh**

*Exochus annulicrus* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

*Exochus annulicrus* Riley and Howard, Insect Life, 1891, 3: 461. [host a, Mich., Mo.]

*Exochus dorsalis* var. *annulicrus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, des., Mich., N.H.]

*Exochus dorsalis* var. *annulicrus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

*Exochus dorsalis* var. *annulicrus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host a, N.Y.]

*Exochus dorsalis* var. *annulicrus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

*Exochus annulicrus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host b, Canada]

TORTRICIDAE: a, *Homona fervidana*; b, *Peronea variana*.

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**Exochus apicalis** Cresson

*Exochus apicalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 285. ♂. [o.d., Ill. (A.N.S.P.)]

*Trichlistus apicalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. [syn.]

*Trichlistus apicalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀. [key syn., des., D.C., Ill., Mass., Mich., N.H. (in part)]

*Trichlistus apicalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307 [key]

*Trichlistus apicalis* Gill, Bull. U. S. Dept. Agr., 1917, 571: 15. [host *a*, Fla.]

*Exochus apicalis* Worsham, Bull. Ga. State Bd. Ent., 1917, 48: 23. [host *a*, Ga.]

PHYCITIDAE: *a*, *Acrobasis juglandis*.

**Exochus atriceps** Walsh

*Exochus atriceps* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 95. ♂. [o.d., (?Ill.) (type destroyed)]

*Exochus rufomaculatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 113. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]

*Trichlistus atriceps* Davis, Trans. Amer. Ent. Soc., 1897, 24: 214. ♂, ♀. [key, syn., des.]

*Trichlistus atriceps* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 307. [key]

*Exochus atriceps* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Exochus atriceps* Townes, Bull. Brooklyn Ent. Soc., 1939, 34: 29. [biol.]

*Exochus atriceps* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Exochus atrocoxalis** Cresson

*Exochus atrocoxalis* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♀. [o.d., Dakota Territory (A.N.S.P.)]

*Exochus atrocoxalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 167. [Tex.]

*Exochus atrocoxalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, des., Calif., Colo., Dak., Mont., Nev., Tex., Wash.]

*Exochus atrocoxalis* Evans, Canad. Ent., 1896, 28: 11. [Ont.]

**Exochus caeruliventris** Cresson

*Exochus caeruliventris* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 38. ♀ (not ♂). [o.d., Cordova, Mexico (A.N.S.P.)]

*Exochus caeruliventris* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

**Exochus dorsalis** Cresson

*Exochus dorsalis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., N.J. (A.N.S.P.)]

*Exochus dorsalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 215. ♂, ♀. [key, des., Canada, Colo., Ill., Mich., N.H., N.J.]

*Exochus dorsalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

*Exochus dorsalis* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Exochus dorsalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 137. [Me.]

*Exochus dorsalis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Exochus dorsalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

***Exochus emarginalus* (Say)**

*Ophion emarginalus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 76; (Leconte Ed. 1: 380). [o.d., Ind. (type destroyed)]

*Anomalon emarginatus* (!) Say, Boston Jour. Nat. Hist., 1835, 1: 245; (Leconte Ed. 2: 699). [des.]

*Tapinops emarginatus* (!) Davis, Trans. Amer. Ent. Soc., 1897, 24: 222. [syn. (in part)]

(*Exochini*) *emarginatus* (!) Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 230. [syn., des.]

*Exochus emarginatus* (!) Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 169. [syn.]

***Exochus evetriae* Rohwer**

*Exochus* (*Triclistus*) *evetriae* Rohwer, Proc. U. S. Nat. Mus., 1920, 57: 223. ♀. [o.d., host *a b*, Butte Falls, Ore. (U.S.N.M.)]

*Exochus evetriae* Bedard, Canad. Ent., 1938, 70: 195. [host *b*, Ida.]

OLETHREUTIDAE: *a*, *Barbara colfaxiana siskiyouana*; *b*, *Barbara colfaxiana taxifoliella*.

***Exochus ferrugineus* (Ashmead) new combination**

*Amesolytus ferrugineus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂, ♀. [o.d., Tex. (U.S.N.M.)]

*Triclistus ferrugineus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♀. [key, des.]

***Exochus flavifrontalis* Davis**

*Exochus flavifrontalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂, ♀. [key, o.d., Nev. (A.N.S.P.), Mich.]

***Exochus mandibularis* Cushman**

*Polyclistus frontalis* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.

*Exochus mandibularis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 13. ♂. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

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**Exochus ostentatus** Davis

*Exochus ostentatus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 217. ♂. [key, o.d., D.C. (A.N.S.P.)]

**Exochus pallipes** Cresson

*Exochus pallipes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 287. ♂. [o.d., Ill. (A.N.S.P.)]

*Exochus pallipes* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 91. [Conn., Ill.]

*Exochus evectus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 168. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] New synonymy.

*Exochus pallipes* Provancher, Nat. Canad., 1875, 7: 139. [key, Que.]

*Exochus evectus* Riley and Howard, Insect Life, 1891, 3: 461. [host *a*, Mo., Tex.]

*Exochus pallipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host *b c*, B.C., Canada, Conn., Ill., Mass., Mich., N.C., Tex., Va. (in part)]

*Exochus pallidipes* Dalla Torre, Cat. Hymen., 1901, 3: 213. Emendation of *Exochus pallipes* Cresson.

*Exochus pallipes* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [host *b c e*]

*Exochus pallipes* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Exochus pallipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

*Exochus pallipes* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Exochus pallipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [host *b e*, N.Y.]

*Exochus pallipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

*Exochus pallipes* Putman, Canad. Ent., 1935, 67: 108. [host *b*, Ont.]

*Exochus pallipes* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

*Exochus pallipes* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 14. [host *d*, Canada]

LYONETHIDAE: *a*, *Bucculatrix* sp. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*, *Archips fervidana*; *d*, *Argyrotaenia lutosana*; *e*, *Homona fervidana*.

**Exochus pictus** (Fyles) new combination

*Amesolytus pictus* Fyles, Canad. Ent., 1904, 36: 207. (♀). [o.d., fig., host *a*, ?Levis, Que. (U.S.N.M.)]

PHYCITIDAE: *a*, *Meroptera pravella*.

**Exochus pleuralis** Cresson

*Exochus pleuralis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 286. ♂. [o.d., Ill. (A.N.S.P.)]



*Exochus pallipes* var. *pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216.

♂. [key, des.] P. 348, correction.

*Exochus pallidipes* var. *pleuralis* Dalla Torre, Cat. Hymen., 1901, 3: 213. [syn.]

*Exochus pallipes* var. *pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key]

*Exochus pleuralis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Exochus pleuralis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Exochus pleuralis* Knowlton, Jour. Econ. Ent., 1937, 30: 379–380. [host *a c*, Ut.]

*Exochus pleuralis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *b*, Ut.]

GELECHIIDAE: *a*, *Anacampsis fragariella*. OLETHREUTIDAE: *b*, *Ancylis complana*; *c*, *Ancylis complana fragariae*.

### **Exochus scitulus** Provancher

*Exochus scitulus* Provancher, Nat. Canad. 1877, 9: 15. (♀). [o.d., Que. (M.P.Q.)]

### **Exochus semirufus** Cresson

*Exochus semirufus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 114. ♂, ♀. [o.d., N.Y. (A.N.S.P.), Conn., Mass.]

*Exochus semirufus* Provancher, Nat. Canad., 1880, 12: 6; (Faune p. 438). [key, des., Que.]

*Mesoleius inflatifrons* Provancher, Addit. Faune Canada, Hymén., 1886, p. 107. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

*Exochus rufigaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 443. ♀. [o.d., Tex. (U.S.N.M.)]

*Exochus semirufus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Exochus solitarius* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂. [key, o.d., Canada (A.N.S.P.)] New synonymy. The "type" is an abdomen of

*Exochus semirufus* and head and thorax of another species of *Exochus*. The abdomen is hereby chosen lectotype.

*Exochus semirufus* Davis, Trans. Amer. Ent. Soc., 1897, 24: 218. ♂, ♀. [key, syn., des., Canada, Mass., Mich., N.H., Tex.]

*Exochus semirufus* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Exochus semirufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 306. [key, Conn.]

*Exochus semirufus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 951. [N.Y.]

*Exochus semirufus* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

### **Exochus terminalis** (Ashmead) new combination

*Tridistus terminalis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂. [o.d., Washington, D.C. (U.S.N.M.)]

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*Triclistus apicalis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 213. ♂, ♀.  
[key, des., D.C., Ill., Mass., N.H. (in part)]

***Exochus washingtonensis* (Davis) new combination**

*Mima washingtonensis* Slosson, Ent. News, 1895, 6: 317. [N.H.] Nomen nudum.

*Mima washingtonensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 219. ♀.  
[o.d., Mt. Washington, N.H. (U.S.N.M.)]

*Polyclistus washingtonensis* Dalla Torre, Cat. Hymen., 1901, 3: 217. [syn.]

***Exochus xanthopsis* Ashmead**

*Exochus xanthopsis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 201. ♂.  
[o.d., Victoria, B.C. (U.S.N.M.)]

*Exochus pallipes* Davis, Trans. Amer. Ent. Soc., 1897, 24: 216. ♂, ♀. [key, syn., des., host (in part)]

*Exochus xanthopsis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

Subfamily 11. OPHIONINAE

Tribe 1. CAMPOPLEGINI

**PYRACMON** Holmgren

*Pyracmon* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 101.

Genotype: *Pyracmon fumipennis* Zetterstedt.

*Rhimphoctona* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Pyracmon fulvipes* Holmgren.

*Helcostizidea* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 185. New synonymy.

Genotype: *Cubocephalus atrocoxalis* Ashmead.

*Pyracmonoides* Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Pyracmonoides separatum* Viereck.

***Pyracmon alaskensis* (Ashmead) new combination**

*Cubocephalus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.  
[key, o.d., Alaska (U.S.N.M.)]

***Pyracmon atrocoxalis* (Ashmead) new combination**

*Cubocephalus atrocoxalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀.  
[key, o.d., Alaska; Wash. (U.S.N.M.)]

*Helcostizidea atrocoxalis* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. [syn.]

***Pyracmon idahoensis* Davis**

*Pyrachmon* (!) *idahoensis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♀.  
[o.d., Moscow, Ida. (type lost)]

*Pyracmon idahoensis* Viereck, Canad. Ent., 1925, 57: 180. [key]

**Pyracmon macdunnoughi** Viereck

*Pyracmon macdunnoughi* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♀. [des., Nordegg, Alta. (C.N.C.)]

*Campoplex (Ecphora) alternatus* Viereck, Canad. Ent., 1925, 57: 202. [o.d. in key]; 1926, 58: 282. ♀. [des., Seven Isles, Que. (C.N.C.)] New synonymy.

**Pyracmon lipoparium** (Viereck) new combination

*Pyracmonoides lipoparium* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Sudbury, Ont. (C.N.C.)]

**Pyracmon macrocephalum** (Provancher)

*Limneria macrocephala* Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria macrocephala* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Pyracmon macrocephalum* Provancher, Nat. Canad., 1879, 11: 175, 182; (Faune, p. 374). ♂, ♀. [key, des., fig., Que.]

*Pyracmon macrocephalum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Pyracmon* (!) *aldrichi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂, ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.

*Cubocephalus nigricornis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 203. ♀. [key, o.d., Alaska; Sherbrooke, Que. (U.S.N.M.)] New synonymy.

*Pyracmonoides macrocephalum* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 283. [syn.]

*Pyracmonoides succineum* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 300. ♂. [des., Smiths Cove, N.S. (C.N.C.)] New synonymy.

*Pyracmonoides trochantericum* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 299. ♂. [des., Teulon, Man. (C.N.C.)] New synonymy.

*Pyracmon aldrichi* Viereck, Canad. Ent., 1925, 57: 180. [key]

*Pyracmon macrocephalum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

**Pyracmon separatum** (Viereck) new combination

*Pyracmonoides separatum* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 57: 298. ♂, ♀. [des., Fort Cudahy, Yukon (C.N.C.)]

**Pyracmon vancouverensis** Harrington

*Pyracmon vancouverensis* Harrington, Canad. Ent., 1894, 26: 246. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]

*Pyracmon vancouverensis* Viereck, Canad. Ent., 1925, 57: 180. [key]

**Pyracmon xanthognatha** (Rohwer) new combination

*Helcostizidea xanthognatha* Rohwer, Proc. Ent. Soc. Wash., 1914, 15: 186. ♀. [o.d., Columbia Falls, Mont. (U.S.N.M.)]

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*Helcostizidea xanthognatha* Aldrich, Ann. Rpt. Smithsonian Inst. for 1919, 1921, p. 378, plate 11. [fig.]

### NEMERITIS Holmgren

*Nemeritis* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 104.

Genotype: *Campoplex macrocentrus* Gravenhorst.

### *Nemeritis macrurus* (Viereck) new combination

*Campoplex* (*Campoplex*) *macrurus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Saanich, B.C. (C.N.C.)]

### CYMODUSA Holmgren

*Cymodusa* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327.

Genotype: *Cymodusa leucocera* Holmgren. Monobasic.

### *Cymodusa distincta* (Cresson)

*Mesoleptus subrubidus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 264. ♂. [o.d., Ill. (A.N.S.P.), N.J.] New synonymy.

*Mesoleptus distinctus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., N.J. (A.N.S.P.)]

*Limneria subrubida* Cresson, Synops. Hymen. N. Am'., 1887, p. 204. [syn.]

*Limneria subrubida* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

*Meloboris subrubida* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

*Limnerium subrubidum* Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]

*Limneria subrubida* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Limnerium vigilis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 179. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

*Idechthis biconjunctus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♂. [o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

?*Cymodusa leucocera* var. Roman, Ent. Tidskr., 1910, 31: 158. [des., N.J.] ?Misdetermined.

*Cymodusa distincta* Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. [des., Va.]

*Cymodusa distincta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. ♂, ♀. [des., Conn.]

*Campoplex* (*Nepiera*) *amasecontorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Cymodusa distincta* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

*Cymodusa plesius* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

*Cymodusa distincta* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

*Campoplex* (*Campoplex*) *vigilis* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

*Cymodusa distincta* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 130. [Me.]

*Cymodusa distincta* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

*Cymodusa distincta* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

***Cymodusa melanocera* Viereck**

*Cymodusa melanocera* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 3. ♂. [des., Saanich District, B.C. (C.N.C.)]

*Cymodusa gracilicornis* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [des., Georgetown, Ont. (C.N.C.)] New synonymy.

*Cymodusa melanocera* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

***Cymodusa partis* (Viereck) new combination**

*Campoplex* (*Diadegma*) *partis* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♂. [des., Aylmer, Que. (C.N.C.)]

***Cymodusa provancheri* Viereck**

*Cymodusa provancheri* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♀. [syn. (in part), Kentville, N.S. (C.N.C.)]

**CYMODUSOPSIS Viereck**

*Cymodusopsis* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588.

Genotype: *Cymodusopsis aristoteliae* Viereck.

***Cymodusopsis aristoteliae* Viereck**

*Cymodusopsis aristoteliae* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 588. ♂, ♀. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

GELECHIIDAE: *a*, *Aristotelia pudibundella*.

**CAMPOPLEX Gravenhorst**

*Campoplex* Gravenhorst, Ichneumon. Europeae, 1829, 3: 453.

Genotype: *Ichneumon difformis* Gmelin.

*Sinophorus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: (*Limneria* (*Sinophorus*) *canarsiae* Ashmead) = *validus* Cresson.

*Omorgus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Erichson, 1847.

Genotype: *Limneria mutabilis* Holmgren.

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*Omorga* Thomson, Opusc. Ent., 1887, 11: 1052, 1125.

Genotype: *Limneria mutabilis* Holmgren.

*Eulimneria* Schmiedeknecht, Hymen. Mitteleur., 1907, p. 600. New synonymy.

Genotype: *Campoplex xanthostomus* Gravenhorst.

*Campoletidea* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. New synonymy.

Genotype: *Campoplex* (*Campoletidea*) *caradrinae* Viereck.

*Sesioplex* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. New synonymy.

Genotype: *Campoplex* (*Sesioplex*) *depressus* Viereck.

*Pseuderipternoides* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269. New synonymy.

Genotype: *Limneria porrecta* Cresson.

***Campoplex albicinctus* (Viereck) new combination**

*Pyracmon albicinctum* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 4. ♂, ♀. [des., Oliver, B.C. (C.N.C.)]

***Campoplex angularis* Viereck**

*Campoplex* (*Campoplex*) *angularis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♂, ♀. [des., Norway Point, Lake of Bays, Ont. (C.N.C.)]

***Campoplex argenteus* (Provancher) new combination**

*Limneria argentea* Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria argenta* (!) Provancher, Nat. Canad., 1875, 7: 148. [key]

*Limneria argentea* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]

*Limneria argentea* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

*Limneria argentea* Provancher, Nat. Canad., 1887, 17: 76. [Que.]

*Limnerium argenteum* Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

*Limneria argentea* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplex* (*Campoplex*) *ontario* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

*Campoplex ontario* Cartwright, Ann. Rpt. S.C. Exp. Sta., 1935, 48: 44. [host *a*, S.C.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*.

***Campoplex argyresthiae* (Rohwer)**

*Phaedroctonus argyresthiae* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 162. ♂, ♀. [o.d., host *a*, Ashland, Ore. (U.S.N.M.)]

*Campoplex (Nemeritis) argyresthiae* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

YPONOMEUTIDAE: a, *Argyresthia libocedrella*.

**Campoplex atridens** new name

*Campoplex (Campoplex) erythromera* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♂. [des., Jordon, Ont. (C.N.C.)] Preoccupied by Viereck, 1925.

**Campoplex caradrinae** Viereck

*Campoplex (Campoletidea) caradrinae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. ♂. [o.d., host a, Rocky Ford, Colo. (U.S.N.M.)]

PHALAEINIDAE: a, *Laphygma exigua*.

**Campoplex cavus** Viereck

*Campoplex (Campoplex) cavus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 149. ♀. [des., Ottawa, Ont. (C.N.C.)]

**Campoplex conocola** (Rohwer) new combination

*Pyracmon conocola* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♂, ♀. [o.d., host a b, Ore. and Calif. (U.S.N.M.)]

OLETHREUTIDAE: a, ?*Barbara colfaxiana taxifoliella*. PHYCITIDAE: b, *Dioryctria* sp. in cones of *Pinus coulteri*.

**Campoplex coxalis** (Cushman) new combination

*Phaedroctonus coxalis* Slosson, Ent. News, 1900, 11: 319. [N.H.] Nomen nudum.

*Cymodusa coxalis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

*Cymodusa coxalis* Viereck, Canad. Ent., 1925, 57: 179. [key]

**Campoplex cupressi** (Ashmead)

*Limneria cupressi* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host a, Marion Co., Calif. (U.S.N.M.)]

*Limneria cupressi* Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]

*Limnerium cupressi* Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

*Phaedroctonus minutus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)] New synonymy.

*Campoplex (Nemeritis) cupressi* Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 181. [syn.]

*Campoplex (Nemeritis) minutus* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]

*Phaedroctonus cupressi* Cushman, Jour. Wash. Acad. Sci., 1925, 25: 559. [syn.]  
Miscellaneous: a, dipterous gall on *Cupressus macrocarpus*.

**Campoplex depressus** Viereck

*Campoplex (Sesioplex) depressus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

♀. [o.d., host a, La. (U.S.N.M.)]

*Sesioplex depressus* Viereck, Canad. Ent., 1925, 57: 177. [key]

*Sesioplex relativus* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 1926, 58: 298. ♀. [des., host b, Ottawa, Ont. (C.N.C.)] New synonymy.

*Sesioplex depressus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*. Miscellaneous: b, gall on *Solidago* sp.

**Campoplex dimidiatus** (Cresson)

*Mesoleptus? dimidiatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 265. ♀.  
[o.d., Ill. (A.N.S.P.)]

*Limneria dimidiata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

*Limneria dimidiata* Riley and Howard, Insect Life, 1890, 3: 157. [host a, Ind.]

*Limnerium dimidiatum* Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

*Limnerium dimidiatum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619.  
[host a]

*Campoplex dimidiatus* Leiby, Jour. N.Y. Ent. Soc., 1922, 30: 93. [biol., host a, N.Y.]

GELECHIIDAE: a, *Gnorimoschema gallaesolidaginis*.

**Campoplex epinotiae** Viereck

*Campoplex epinotiae* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀.  
[o.d., host a, Carmel, Calif. (U.S.N.M.)]

*Omorgus epinotiae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

*Campoplex epinotiae* Viereck, Canad. Ent., 1925, 57: 225. [key]

OLETHREUTIDAE: a, *Epinotia arctostaphylana*.

**Campoplex erythromerus** Viereck

*Campoplex (Nemeritis) erythromerus* Viereck, Canad. Ent., 1925, 57: 178.  
[o.d. in key]; 1926, 58: 177. ♀. [des., Ottawa, Ont. (C.N.C.)]

**Campoplex frustranae** Cushman

*Campoplex frustranae* Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host a]  
Nomen nudum.

*Campoplex frustranae* Cushman, Jour. Agr. Res., 1927, 34: 739. ♂, ♀. [o.d.,  
host a, Falls Church, Va. (U.S.N.M.)]

*Campoplex frustranae* Marlatt, Rpt. Chief U. S. Bur. Ent., 1928, p. 29. [host a,  
Neb.]



*Campoplex frustranae* Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 48. [host *a*, Neb.]

*Campoplex frustranae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana*.

***Campoplex furus* (Cresson)**

*Limneria fura* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Limneria fura* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

*Limneria melanocoxa* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. ♀. [key, o.d., Bosque Co., Tex. (U.S.N.M.)] The type of this and of *L. fura* Cresson is the same specimen. New synonymy.

*Limneria fura* Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Fla., Tex.]

*Limneria melanocoxa* Howard, Insect Life, 1894, 6: 372. [host *b*]

*Limnerium furum* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

*Limnerium melanocoxum* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

*Limneria fura* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplex (Campoplex) fura* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

TORTRICIDAE: *a*, ?tortricid. PYRAUSTIDAE: *b*, *Loxostege sticticalis*.

***Campoplex fusiformis* (Provancher) new combination**

*Limneria fusiformis* Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria fusiformis* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Limneria fusiformis* Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 371). [key, des.]

*Limneria fusiformis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

*Limnerium fusiforme* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

*Amorphota ferruginosa* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 220. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

*Campoplex (Campoplex) grossulariflorae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀) [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Campoplex (Campoplex) maquinai* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♀). [o.d. in key, Milldale, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Campoplex (Campoplex) pentagoetorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [o.d. in key, West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Neonortonia scaposa* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.

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- Pseuderipternoides deceptus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Pseuderipternoides neglectus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), Que.] New synonymy.
- Pseuderipternoides pulchellus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 303. ♀. [des., Greys Mills, N.B. (C.N.C.)] New synonymy.
- Cymodusa fusiforme* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]
- Campoplex maquinnæ* (!) Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex pentagoetorum* Viereck, Canad. Ent., 1925, 57: 225. [key]
- Campoplex* (*Campoplex*) *hullensis* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 144. ♀. [des., Hull, Que. (C.N.C.)] Preoccupied in *Campoplex* by Viereck, 1925. New synonymy.
- Campoplex* (*Campoplex*) *signatus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *ferruginosus* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 176. [syn.]
- Campoplex grossulariflorae* Viereck, Canad. Ent., 1925, 57: 226. [key]

***Campoplex hexagonalis* (Viereck) new combination**

- Pseuderipternoides hexagonalis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 302. ♀. [des., Lethbridge, Alta. (C.N.C.)]

***Campoplex hullensis* (Viereck)**

- Neonortonia hullensis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Hull, Que. (C.N.C.)]
- Campoplex* (*Ischnoscopus*) *hullensis* Viereck, Canad. Ent., 1926, 58: 199. [key, syn.]
- Ischnoscopus hullensis* Viereck, Canad. Ent., 1926, 58: 283. [syn.]

***Campoplex hyalinus* (Provancher)**

- Limneria hyalina* Provancher, Nat. Canad., 1874, 6: 147. ♂, ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria hyalina* Provancher, Nat. Canad., 1875, 7: 148. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 364). [key, des.]
- Limneria hyalina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria hyalina* Provancher, Nat. Canad., 1887, 17: 76. [Que.]
- Limneria hyalina* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]
- Limnerium hyalinum* Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]
- Neonortonia crassata* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 301. ♂. [des., Marshalls Bay, Arnprior, Ont. (C.N.C.)] New synonymy.

*Campoplex (Campoplex) moderatus* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 143. ♀. [des., Eldorado, Hastings Co., Ont. (C.N.C.)] New synonymy.

*Campoplex (Campoplex) deceptivus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Kingsmere, Que. (C.N.C.)] New synonymy.

*Campoplex (Diadegma) hyalina* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

*Campoplex moderatus* Walley, Canad. Ent., 1933, 65: 254. ♂, ♀. [des., host a b]

*Campoplex hyalina* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

OLETHREUTIDAE: a, *Exartema cornanum*; b, *Exartema permundanum*.

**Campoplex infumatus** (Provancher) new combination

*Limneria infumata* Provancher, Nat. Canad., 1874, 6: 148. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria infumata* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Limneria infumata* Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

*Limneria infumata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

*Limneria infumata* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Limnerium infumatum* Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

*Campoplex (Hyposoter) parallelus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.

*Campoplex (Campoplex) algonquinorum* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.

*Campoplex (Campoplex) grimsbyensis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 145. ♀. [des., Grimsby, Ont. (C.N.C.)] New synonymy.

*Limneria infumata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Campoplex laspeyresiae** (Rohwer) new combination

*Meleborus (!) laspeyresiae* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 161. ♀. [o.d., host a, Talent, Ore. (U.S.N.M.)]

OLETHREUTIDAE: a, *Laspeyresia "toreuta."*

**Campoplex macer** (Cresson)

*Mesoleptus macer* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 262. ♀. [o.d., Colo. (A.N.S.P.)]

*Campoplex (Angitia) macer* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. [key, Conn.]

*Campoplex (Angitia) macer*, Viereck, Canad. Ent., 1926, 58: 282. [syn.]

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*Angitia macer* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]  
*Angitia macer*, Walley, Canad. Ent., 1927, 61: 192. [key, Ont.]

**Campoplex milleri** (Rohwer)

*Angitia milleri* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 159. ♀. [o.d., host  
*a*, Ashland, Ore. (U.S.N.M.)]

*Campoplex* (*Angitia*) *milleri* Viereck, Canad. Ent., 1925, 57: 227. [key]

PHYCITIDAE: *a*, *Dioryctria abietella*.

**Campoplex nanana** new name

*Phaedroctonus epinotiae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 559. ♂,  
 ♀. [o.d., host *a*, Bristol, Me. (U.S.N.M.)] Preoccupied in *Campoplex*  
 by Viereck, 1912.

OLETHREUTIDAE: *a*, *Epinotia nanana*.

**Campoplex nigricinctus** (Ashmead)

*Limneria nigricincta* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀.  
 [key, o.d., host *a b*, N.C.; Washington, D.C. (U.S.N.M.)]

*Limnerium nigricinctum* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

*Omorgus nigricincta* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

*Campoplex* (*Campoplex*) *nigricinctus* Viereck, Canad. Ent., 1925, 57: 225.  
 [key]; 1926, 58: 176. [syn.]

*Campoplex nigricincta* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 956. [N.Y.]

TINEIDAE: *a*, tineid on *Betula lenta*. Miscellaneous: *b*, sawfly on *Betula lenta*.

**Campoplex nigricoxa** (Provancher) new combination

*Limneria nigricoxa* Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786).  
 ♀. [o.d., Cap Rouge, Que. (M.P.Q.)]

*Limneria nigricoxa* Provancher, Addit. Faune Canada, Hymen., 1886, p. 86.  
 [key]

*Limnerium nigricoxum* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

**Campoplex nigripes** (Viereck) new combination

*Neonortonia nigripes* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57:  
 300. ♂. [des., Greys Mills, N.B. (C.N.C.)]

*Neonortonia laevisissima* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key];  
 57: 301. ♂. [des., Annapolis, N.S. (C.N.C.)]. New synonymy.

**Campoplex nolae** (Ashmead)

*Limneria nolae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂, ♀. [key,  
 o.d., host *b*, Los Angeles, Calif. (U.S.N.M.)]

*Limneria notae* (!) Slosson, Ent. News, 1895, 6: 317. [N.H.]

*Meloboris notae* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.Y.]

*Limnerium nolae* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

*Limnerium obscurum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn. (in part)]

*Omorgus nolae* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *a*, Pa.]

*Omorgus nolae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

*Campoplex* (*Campoplex*) *nolae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. [key, Conn.]

*Campoplex nolae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 9. [syn.]

*Campoplex* (*Hyposoter*) *fuscitarsatus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

*Campoplex* (*Campoplex*) *nolae* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

*Campoplex* (*Campoplex*) *aylmerensis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 148. ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

OLETHREUTIDAE: *a*, *Polychrosis viteana*. NOLIDAE: *b*, *Nola* sp. on *Salix* sp.

### **Campoplex phthorimaeae** (Cushman)

*Omorgus phthorimaeae* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀. [key, o.d., host *b*, Pasadena, Calif. (U.S.N.M.)]

*Campoplex phthorimaeae* Graf, Bull. U. S. Dept. Agr., 1917, 427: 38. [fig., biol., host *b*, Calif.]

*Campoplex* (*Omorgus*) *phthorimaeae* Chittenden, Canad. Ent., 1922, 54: 174. [host *c*, Calif.]

*Campoplex phthorimaeae* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

*Campoplex* (*Campoplex*) *phthorimaeae* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]

*Campoplex phthorimaeae* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16. [host *b*, Va.]

*Campoplex phthorimaeae* Campbell, Pan-Pacific Ent., 1927, 4: 83. [host *c*, Calif.]

*Campoplex phthorimaeae* Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61: 621, 622. [host *a b*, Va.]

*Campoplex phthorimaeae* Poos, Proc. Ent. Soc. Wash., 1928, 30: 147. [host *b*, Va.]

GELECHIIDAE: *a*, *Keiferia glochinella*; *b*, *Gnorimoschema operculella*. PYRAUSTIDAE: *c*, *Phlyctaenia rubigalis*.

**Campoplex polychrosidis** Viereck

*Campoplex polychrosidis* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♀. [o.d., host *a b*, Hyattsville, Md. (U.S.N.M.)]

*Omorgus polychrosidis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. [key]

*Campoplex* (*Campoplex*) *polychrosidis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. [key]

*Campoplex polychrosidis* Viereck, Canad. Ent., 1925, 57: 225. [key]

*Campoplex polychrosidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

OLETHREUTIDAE: *a*, *Polychrosis carduana*. PTEROPHORIDAE: *b*, *Platyptilia cardui-dactyla*.

**Campoplex popofensis** (Ashmead) new combination

*Zachresta popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. ♂. [o.d., Popof Is., Alaska (U.S.N.M.)]

**Campoplex porrectus** (Cresson) new combination

*Mesoleptus porrectus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 266. ♀. [o.d., Del. (A.N.S.P.)]

*Mesoleptus subtenuis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

*Limneria ruficoxa* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria ruficoxa* Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). [key, des.]

*Limneria ruficoxa* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

*Limneria ruficoxa* Provancher, Nat. Canad., 1887, 16: 46. [Que.]

*Limneria ruficoxa* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

*Limnerium ruficoxum* Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

*Olesicampa melanerythrogaster* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 306.

♂, ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)] New synonymy.

*Casinaria* (*Pseuderipternoides*) *porrecta* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des., Conn.]

*Pseuderipternoides porrectus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

*Nemeritis ruficoxa* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Pseuderipternoides melanerythrogaster* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

*Pseuderipternoides porrectus* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]

*Campoplex ruficoxa* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

*Nemeritis ruficoxa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

*Pseuderipternoides porrectus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [syn., Mass.]

**Campoplex relativus** (Viereck)

*Amorphota relativa* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♀. [o.d., Clark Co., Kans., 1962 ft. (Univ. Kans.)]

*Campoplex (Campoplex) relativus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

**Campoplex ruficinctum** (Viereck) new combination

*Pyracmon ruficinctum* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 5. ♂. [des., Lethbridge, Alta. (C.N.C.)]

**Campoplex rufipes** (Provancher) new combination

*Limneria rufipes* Provancher, Nat. Canad., 1874, 6: 149. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria rufipes* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Limneria rufipes* Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]

*Limneria mellipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key] Lapsus for *Limneria rufipes*.

*Limneria rufipes* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

*Limneria rufipes* Riley and Howard, Insect Life, 1890, 3: 158. [host b, D.C.]

*Limneria rufipes* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Limnerium rufipes* Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

*Limneria rufipes* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplex (Nemeritis) melanomerus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.

*Campoplex (Nemeritis) decoratus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)] New synonymy.

*Campoplex (Nemeritis) laevis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.

*Phaedroctonus piceae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♂, ♀. [o.d., host a c, Georgetown, Me. (U.S.N.M.), Mass.] New synonymy.

GELECHIIDAE: a, *Recurvaria piceaella*. TORTRICIDAE: b, "*Tortrix*" on *Quercus* sp. OLETHREUTIDAE: c, *Epinotia nanana*.

**Campoplex sulcatellus** Viereck

*Campoplex (Campoplex) sulcatellus* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♀. [des., Indian Head, Sask. (C.N.C.)]

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**Campoplex tecumseh** Viereck

*Campoplex* (*Campoplex*) *tecumseh* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 130. ♂. [des., Jordon, Ont. (C.N.C.)]

**Campoplex temporalis** (Cushman) new combination

*Phaedroctonus temporalis* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 560. ♀. [o.d., host *a*, Groton, Vt. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Laspeyresia youngana*.

**Campoplex tineavora** (Rohwer)

*Angitia tineavora* Rohwer, Proc. U. S. Nat. Mus., 1917, 53: 160. ♂, ♀. [o.d., host *a*, Mistletoe, Ore. (U.S.N.M.)]

*Campoplex* (*Angitia*) *tineavora* Viereck, Canad. Ent., 1925, 57: 227. [key]

TINEIDAE: *a*, tineid in *Polyporus dryophilus*.

**Campoplex tortricidis** (Cushman)

*Omorgus tortricidis* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 137. ♂, ♀. [key, o.d., host *b*, North East, Pa. (U.S.N.M.)]

*Campoplex tortricidis* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 50. [fig., biol.]

*Campoplex tortricidis* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *a*, Ohio]

OLETHREUTIDAE: *a*, *Grapholitha molesta*; *b*, *Polychrosis viteana*.

**Campoplex ultimus** Viereck

*Campoplex* (*Campoplex*) *ultimus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)]

**Campoplex uniformis** Viereck

*Campoplex* (*Nemeritis*) *uniformis* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 177. ♂. [des., Banff, Alta. (C.N.C.)]

**Campoplex valens** (Cresson) new combination

*Mesoleptus valens* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)]

*Casinarina compacta* Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

*Pyracmon valens* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6. [syn.]

**Campoplex validus** (Cresson)

*Mesoleptus?* *validus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 258. ♂, ♀. [o.d., Pa. (A.N.S.P.)]



- Mesoleptus montanus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 261. ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.
- Limneria excavata* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d., Que. (M.P.Q.)]
- Limneria valida* Provancher, Nat. Canad., 1879, 11: 174; (Faune, p. 367). [key, syn., des., fig.]
- Limneria valida* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Limneria valida* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria teratis* Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *a*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria valida* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limneria* (*Sinophorus*) *canarsiae* Ashmead, Proc. Ent. Soc. Wash., 1897, 4: 126. ♀. [o.d., fig., host *c*, Normal, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.
- Limneria valida* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 23. [fig., biol., host *g p r*, D.C.]
- Limneria valida* Howard, Ann. Rpt. Ent. Soc. Ont., 1898, 28: 88. [host *g*, D.C.]
- Limnerium triste* (!) Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.] Lapsus for *Limnerium teratis*.
- Limnerium validum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria valida* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Amorphota augusta* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 180. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.
- Limnerium canarsiae* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.]
- Limnerium validum* Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 43-44, 49-57, 62. [biol., host *p*, parasite *a b*]
- Limnerium validum* Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 71-92. [fig., biol., host *e h i j*, morphology]
- Limnerium validum* Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *p*, N.B.]
- Campoplex* (*Ameloctonus*) *validus* Baird, Proc. Ent. Soc. B.C., 1920, 11: 102. [host *f*, B.C.]
- Campoplex* (*Ameloctonus*) *validus* Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.) 3: 74-76. [fig., biol., host *p*, B.C., N.B., N.S., Ont., Que.]
- Sesioplex validus* Viereck, Canad. Ent., 1925, 57: 177. [key]
- Campoplex* (*Ecphora*) *canadensis* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 282. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *justus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. (as *Campoplex justus* (!)). ♀. [des., Sudbury, Ont. (C.N.C.)] New synonymy.
- Campoplex* (*Campoplex*) *militaris* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 147. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

- Campoplex (Campoplex) augustus* Viereck, Canad. Ent., 1925, 57: 226. [key]; 1926, 58: 177. [syn.]
- Eulimneria valida* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Sesioplex validus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [fig., biol.]
- Sesioplex validus* Viereck, Canad. Ent., 1926, 58: 283. [syn.]
- Sesioplex validus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]
- Eulimneria valida* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]
- Sesioplex validus* Balduf, Ohio Jour. Sci., 1929, 29: 235. [des., biol., host *b*, Ill.]
- Eulimneria valida* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Eulimneria valida* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 152. [biol., host *d e g k l m n o p q*, New England, N.J., N.Y.]
- TORTRICIDAE: *a*, *Peronea minuta*. PHYCITIDAE: *b*, *Phlyctaenia tertialis*. PYRAUSTIDAE: *c*, *Psorosina hammondi*. GEOMETRIDAE: *d*, *Calocalpe undulata*. LASIOCAMPIDAE: *e*, *Malacosoma americanum*; *f*, *Malacosoma disstria erosum*. LYMANTRIDAE: *g*, *Hemerocampa leucostigma*; *h*, *Notolophus antiquus*; *i*, *Nygmia phaeorrhea*; *j*, *Porthetria dispar*. NOTODONTIDAE: *k*, *Ichthyura inclusa*; *l*, *Ichthyura strigosa*; *m*, *Schizura concinna*. ARCTIIDAE: *n*, *Cycnia tenera*; *o*, *Euchaetias egle*; *p*, *Hyphantria cunea*; *q*, *Isia isabella*. ICHNEUMONIDAE: *r*, *Iseropus coelebs*.
- Parasites. Chalcididae: *a*, *Dibrachys cavus*; *b*, *Perilampus hyalinus*.

#### NYTHOBIA Foerster

- Nythobia* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.
- Genotype: *Meloboris pusio* Holmgren.

#### *Nythobia brachyura* (Viereck) new combination

- Campoplex (Nemeritis) brachyurus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., Georgetown, Ont. (C.N.C.)]

#### *Nythobia minuta* Cushman

- Zaporus minutus* Slosson, Ent. News, 1902, 13: 321. [N.H.] Nomen nudum.
- Nythobia minuta* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 19. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)]

#### IDECHTHIS Foerster

- Idechthis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.
- Genotype: (*Idechthis oahuensis* Ashmead) = *canescens* Gravenhorst.

#### *Idechthis canescens* (Gravenhorst)

- Campoplex canescens* Gravenhorst, Ichneum. Europeae, 1829, 3: 555. ♀. [o.d., Tauria, Europe (?Breslau Mus.)]
- Cryptus ductilis* Say, Boston Jour. Nat. Hist., 1836, 1: 233; (Leconte Ed., 2: 690). ♀. [o.d., Ind. (type destroyed)]

- Campoplex frumentarius* Rondani, Bull. Soc. Ent. Ital., 1877, 9: 169. [o.d., host, (Italy) (location of type unknown)]
- Limneria ductilis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Omorga columbiana* Johnson, Bull. U. S. Dept. Agr., Div. Ent., 1899, 20: 67. [host c] Nomen nudum.
- Idechthis ephestiae* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1903, 33: 86. [host c, Ont.] Nomen nudum.
- Limneria ductilis* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Omorgus* (*Campoplex*) *frumentarius* Newell and Smith, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 52: 72. [host c, Ga.]
- Omorga frumentaria* Chittenden, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 104: 30. [fig., biol., host a]
- Omorgus frumentarius* Popenoe, Cir. U. S. Dept. Agr., 1911, 142: 3. [host d]
- Idechthis* sp. Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 173. ♀. [fig., host c]
- Omorga frumentaria* Back, Bull. U. S. Dept. Agr., 1920, 872: 11. [host c]
- Campoplex* (*Nemeritis*) *canescens* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 161. [syn., Mich.]
- Nemeritis canescens* Champlain, Psyche, 1922, 29: 96. [Pa.]
- Nemeritis canescens* Richmond, Cir. State Ent. Colo., 1925, 47: 74. [biol., host e, Colo.]
- Nemeritis canescens* Richmond, Jour. Econ. Ent., 1925, 18: 425. [host e, Colo.]
- Irechthis* (!) *canescens* Viereck, Canad. Ent., 1925, 57: 178. [key]; 1926, 58: 181. [syn.]
- Idechthis canescens* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]
- Nemeritis canescens* Essig, Insects of Western N. Amer., 1926, p. 79f. [des., host c, Calif.]
- Nemeritus* (!) *canesceus* (!) Paddock, Amer. Bee Jour., 1926, 66: 555. [syn., host e, Ut.]
- Nemeritis canescens* Whiting, Psyche, 1928, 35: 125-126. [biol., host c, Mass.]
- Nemeritis canescens* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Nemeritis canescens* Diamond, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 84-89. [biol., host c]
- Nemeritis canescens* Dunham, Amer. Bee Jour., 1929, 69: 396. [des., fig., biol., host d, Ohio]
- Nemeritis canescens* Hamlin, Reed, and Phillips, Tech. Bull. U. S. Dept. Agr., 1931, 242: 23. [host d, Calif.]
- Nemeritis canescens* personnel of Dried Fruit Insect Lab. at Fresno Calif., Monthly Bull. Calif. Dept. Agr., 1934, 23: 205. [host b, Calif.]
- Nemeritis canescens* Donohoe and Barnes, Jour. Econ. Ent., 1934, 27: 1070-1072. [host b, Calif.]
- Idechthis canescens* Back & Cotton, Farmers' Bull. U. S. Dept. Agr., 1938, 1260, revised: 43. [des., fig., biol., host c]
- MEM. AMER. ENT. SOC., 11 pt. 2.

PHYCITIDAE: a, *Ephestia cautella*; b, *Ephestia figulilella*; c, *Ephestia kuehniella*; d, *Plodia interpunctella*. GALLERIIDAE: e, *Galleria mellonella*.

**Idechthis erythropus** (Ashmead)

*Limneria erythropus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♂. [key, o.d., Tex. (U.S.N.M.)]  
*Limnerium erythropum* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]  
*Idechthis erythropus* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]

**Idechthis gelechia** (Ashmead)

*Limneria gelechia* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key, o.d., host b, Kirkwood, Mo. (U.S.N.M.)]  
*Limnerium gelechia* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]  
*Idechthis gelechia* Parker, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 107. [host a, Kans.]  
 GELECHIIDAE: a, *Fascista cercerisella*; b, "*Gelechia*" sp.

**Idechthis nigricoxalis** Cushman

*Idechthis nigricoxalis* Cushman, Proc. U. S. Nat. Mus., 1915, 48: 512. ♂, ♀. [o.d., host a c, Youngstown, N.Y. (U.S.N.M.), Ga.]  
*Idechthis nigricoxalis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]  
*Idechthis nigricoxalis* Merritt, Jour. Econ. Ent., 1933, 26: 789. [host b, Mich.]  
 AGERIIDAE: a, *Sanninoidea exitiosa*. OLETHREUTIDAE: b, *Grapholitha molesta*.  
 PHYCITIDAE: c, *Euzophera semifuneralis*.

**Idechthis nigriscapus** Viereck

*Idechthis nigriscapus* Viereck, Psyche, 1921, 28: 77. ♀. [o.d., Glencarlyn, Va. (M.C.Z.), Md.]  
*Idechthis nigriscapus* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]  
*Idechthis mimicus* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. ♂. [key, o.d., Georgetown, Ont. (C.N.C.)] New synonymy.  
*Idechthis nigriscapus* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

**Idechthis sokanakiakorum** (Viereck)

*Casinarina (Idechthis) sokanakiakorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. (♂). [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]  
*Idechthis sokanakiakorum* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]

**CHAROPS** Holmgren

*Charops* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 324.

Genotype: *Campoplex decipiens* Gravenhorst.

*Casinaria* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. New synonymy.

Genotype: *Campoplex tenuiventris* Gravenhorst.

*Amorphota* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 151.

Genotype: (*Amorphota orgyiae* Howard) = *limenitidis* Howard.

*Campotrephus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

*Alcima* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Casinaria tenuiventris* Gravenhorst.

*Anempheres* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Genotype: (*Anempheres diaphaniae* Viereck) = *infesta* Cresson.

*Trophocampa* Schmiedeknecht, Hymen. Mitteleur., 1907, 2: 598. New synonymy.

Genotype: *Casinaria mesozosta* Gravenhorst.

*Fiebrigia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. New synonymy.

Genotype: *Campoplex texanus* Ashmead.

*Zacharops* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. New synonymy.

Genotype: *Charops annulipes* Ashmead.

*Neonortonia* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. New synonymy.

Genotype: *Casinaria* (*Neonortonia*) *genuina* Norton.

*Zastenomorpha* Viereck, Psyche, 1921, 28: 81. New synonymy.

Genotype: *Zastenomorpha lamina* Viereck.

*Zastenogastra* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 259. New synonymy.

Genotype: *Zastenogastra graciliventris* Viereck.

**Charops ambigua** new name

*Nematopodius texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 414. ♂.

[o.d., Tex. (U.S.N.M.)] Preoccupied in *Charops* by Ashmead, 1890.

**Charops annulipes** Ashmead

*Charops annulipes* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. ♂. [o.d., Mo. (U.S.N.M.)]

*Zacharops annulipes* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 646. [syn.]

**Charops eupitheciae** (Viereck) new combination

*Casinaria eupitheciae* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 586. ♂, ♀. [o.d., host a, East River, Conn. (U.S.N.M.)]

*Casinaria scabriformis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. ♀. [o.d., Castle Rock, Delaware Co., Pa. (U.S.N.M.)] New synonymy.

- Casinaria* (*Casinaria*) *eupitheciae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. [des., Conn.]
- Neonortonia eupitheciae* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 283. [syn.]
- Campoplex* (*Hypothereutes*) *impetitus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 223. ♀. [des., Brule River Camp, Riordan Limits, Que. (C.N.C.)]
- Casinaria scabriformis* Allen and Painter, Jour. Agr. Res., 1937, 55: 225. [host d, Kans.]
- Casinaria eupitheciae* Walley, Sci. Agr., 1940, 20: 651. [syn.]
- Casinaria semiothisae* Walley, Canad. Ent., 1941, 73: 169. ♂, ♀. [o.d., host b c, Mattawa, Ont. (C.N.C.), Que.] New synonymy.
- Casinaria eupitheciae* Walley, Canad. Ent., 1941, 73: 169. [syn., des., Pa.]
- GEOMETRIDAE: a, *Eupithecia miserulata*; b, *Semiothisa bisignata*; c, *Semiothisa granitata*. CHLOROPIDAE: d, *Meromyza americana*.

**Charops genuina** (Norton) new combination

- Campoplex genuinus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♂, ♀. [o.d., Farmington, Conn. (Yale Univ.)]
- Mesoleptus major* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♂. [o.d., biol., Del. (A.N.S.P.)] New synonymy.
- Mesoleptus major* Provancher, Nat. Canad., 1875, 7: 270, 271. [key, Que.]
- Campoplex niger* Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). ♀. [key, o.d., fig., Que. (M.P.Q.)]
- Limneria genuina* Provancher, Nat. Canad., 1879, 11: 177; (Faune, p. 369). [key, des.]
- Limneria genuina* var. *niger* Provancher, Nat. Canad., 1882, 13: 364. [syn.]
- Limneria genuina* Taylor, Canad. Ent., 1884, 16: 91. [biol., B.C.]
- Limneria genuina* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]
- Limneria major* Cresson, Synops. Hymen. N. Amer., 1887, p. 203. [syn.]
- Casinaria major* Riley and Howard, Insect Life, 1890, 3: 157. [host f, Tex.]
- Exetastes? niger* Davis, Proc. Acad. Nat. Sci. Phila., 1894, 21: 188. [syn.]
- Limneria major* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]
- Limnerium majus* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]
- Exetastes provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 73. New name for *Campoplex niger* Provancher.
- Campoplex genuinus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host e]
- Anephares(!) rufipes* Hancock, Nature Sketches in Temperate America, 1911, p. 177. ♀. [o.d., biol., fig., host d (? Chicago Ill.) (U.S.N.M.)] New synonymy.
- Casinaria* (*Neonortonia*) *genuina* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

*Casinaria (Neonortonia) genuina* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. [des.]

*Exetastes suaveolens* Gahan, Proc. U. S. Nat. Mus., 1919, 55: 114. [syn. (in part)]

*Neonortonia genuina* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta., B.C.]

*Neonortonia genuina* Viereck, Canad. Ent., 1925, 57: 179. [key]

*Casinaria genuina* Cole, Ent. News, 1931, 42: 9. [host *a*, Mich.]

*Neonortonia major* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *b c*, Me., Mass., N.H., Vt.]

*Casinaria genuina* Cushman, Proc. U. S. Nat. Mus., 1937, 84: 245. [syn.]

PHALAEINIDAE: *a*, *Acrionicta oblonga*. ARCTIIDAE: *b*, *Estigmene acrea*; *c*, *Hyphantria cunea*; *d*, wooly bear. DIPRIONIDAE: *e*, *Neodiprion abietis*; Miscellaneous: *f*, grape-vine larva.

**Charops infesta** (Cresson) new combination

*Limneria infesta* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Limneria sessilis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♀. [key, o.d., Washington, D.C. (U.S.N.M.)] Preoccupied by Provancher, 1875.

*Limneria? erythrogaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., Selma, Ala. (U.S.N.M.)]

*Limnerium ashmeadii* Dalla Torre, Cat. Hymen., 1901, 3: 90. [new name for *Limneria sessilis* Ashmead]

*Limnerium erythrogastrum* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Limnerium infestum* Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

*Angitia autumnalis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 181. ♀. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)] New synonymy.

*Anempheres diaphaniae* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 188. ♀. [o.d., host *b*, Raleigh, N.C. (U.S.N.M.)]

*Amorphota diaphaniae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

*Casinaria infesta* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

*Amorphota infesta* Chittenden, Canad. Ent., 1922, 54: 174. [host *d*, Calif.]

*Neonortonia autumnalis* Viereck, Canad. Ent., 1925, 57: 179. [key]; 1926, 58: 383. [syn.]

*Amorphota infesta* Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

*Amorphota diaphaniae* Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

*Casinaria infesta* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *c*, Va.]

*Casinaria infesta* Ball, Reeves, Boyden, and Stone, Tech. Bull. U. S. Dept. Agr., 1935, 463: 40. [biol., host *d e*, Fla.]

*Casinaria infesta* Summerland, Trans. Kans. Acad. Sci., 1938, 40: 164. [host *a*, Kans.]

*Casinaria infesta* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

*Amorphota diaphaniae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

OLETHREUTIDAE: a, *Ancylis comptana*. PYRAUSTIDAE: b, *Diaphania hyalinata*; c, *Hymenia fascialis*; d, *Phlyctaenia rubigalis*. PHALAEINIDAE: e, *Autographa falcifera*.

**Charops lamina** (Viereck) new combination

*Zastenomorpha lamina* Viereck, Psyche, 1921, 28: 81. ♀. [o.d., Great Falls, Va. (M.C.Z.)]

*Zastenomorpha lamina* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

**Charops limenitidis** (Howard) new combination

*Limneria limenitidis* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. ♂. [key, o.d., biol., host f, Coalburgh, W.Va. (U.S.N.M.)]

*Amorphota orgyiae* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 20-21, 53. [o.d., biol., fig., host b, D.C. (U.S.N.M.)] New synonymy.

*Limnerium limenitidis* Dalla Torre, Cat. Hymen. 1901, 3: 98. [syn.]

*Casinaria orgyiae* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn.]

*Casinaria (Amorphota) orgyiae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. [key, des.]

*Amorphota orgyiae* Felt, Jour. Econ. Ent., 1918, 11: 386. [biol., host a, parasite a, N.Y.]

*Neonortonia graciliforma* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 57: 300. ♂. [des., Winnipeg, Man. (C.N.C.)] New synonymy.

*Amorphota orgyiae* Viereck, Trans. Roy. Soc. Canad., 1926, 20, sect. 5: 183. [key]

*Neonortonia orgyiae* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host b, Man.]

*Casinaria orgyiae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Casinaria orgyiae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host b d e, Conn., Mass., N.J., N.Y.]

*Casinaria orgyiae* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 8. [host c, Canada]

LASIOCAMPIDAE: a, *Malacosoma americanum*. LYMANTRIIDAE: b, *Hemerocampa leucostigma*; c, *Notolophus antiquus*; d, *Olene basiflava*; ARCTIIDAE: e, *Hyphantria cunea*. NYMPHALIDAE: f, *Basilarchia archippus*.

Parasite: a, *Gelis tenellus*.

**Charops texana** (Ashmead) new combination

*Campoplex texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

*Fiebrigia texana* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]

*Campoplegidea texana* Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [syn.] Synonymy erroneous.



**BATHYPLECTES** Foerster

*Canidia* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 103. Preoccupied by Thomson, 1857.

Genotype: (*Canidia pusilla* Holmgren) = *exiguus* Gravenhorst.

*Bathyplectes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Canidia exigua* Gravenhorst.

*Canidiella* Ashmead, Canad. Ent., 1900, 32: 368. New name for *Canidia* Holmgren.

**Bathyplectes bryanti** (Viereck)

*Campoplex* (*Bathyplectes*) *bryanti* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 223. ♀. [des., Bilby, Alta. (C.N.C.)]

**Bathyplectes curculionis** (Thomson)

*Canidia Curculionis* Thomson, Opusc. Ent., 1887, 11: 1113. ♀. [o.d., north and middle Europe (?Lund Mus.)]

*Canidiella curculionis* Webster, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 112: 38. [fig., biol., Italy]

*Bathyplectes curculionis* Hagan, Monthly Bull. Calif. Dept. Agr., 1919, 8: 470. [biol.]

*Bathyplectes curculionis* List and Wakeland, Cir. State Ent. Colo., 1919, 27: 34. [biol.]

*Bathyplectes curculionis* Wakeland, Cir. State Ent. Colo., 1920, 28: 28. [fig., biol.]

*Bathyplectes curculionis* Newton, Cir. State Ent. Colo., 1921, 34: 43, 44. [Colo.]

*Bathyplectes curculionis* Newton, Cir. State Ent. Colo., 1923, 38: 25. [Colo.]

*Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1923, 131: 36. [host *a*, Ida.]

*Bathyplectes curculionis* Wakeland, Ida. Farmer, 1923, 32: 39. [des., biol., host *a*, Ida.]

*Campoplex* (*Bathyplectes*) *curculionis* Viereck, Canad. Ent., 1925, 57: 224. [key]

*Bathyplectes curculionis* Snow, Bull. Nev. Agr. Exp. Sta., 1925, 108: 7. [host *a*, Nev.]

*Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1925, 135: 28. [host *a*, Ida.]

*Bathyplectes curculionis* Gillette, Ann. Rpt. Colo. Agr. Exp. Sta., 1925, 37: 28. [host *a*, Colo.]

*Bathyplectes curculionis* Chamberlin, Jour. Econ. Ent., 1926, 19: 302-310, 642. [biol., host *a*, Ut.]

*Bathyplectes curculionis* Newton, Jour. Econ. Ent., 1926, 19: 374. [biol., Colo.]

*Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1926, 142: 17. [host *a*, Ida.]

- Bathyplectes curculionis* Reeves, Farmers' Bull. U. S. Dept. Agr., 1927, 1528: 11. [biol., host *a*]
- Bathyplectes curculionis* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]
- Bathyplectes curculionis* Marlatt, Rpt. Chief U. S. Bur. Ent., 1930, p. 17. [host *a*, Nev.]
- Bathyplectes curculionis* Iddings, Bull. Univ. Ida. Agr. Exp. Sta., 1931, 179: 29. [host *a*, Ida.]
- Bathyplectes curculionis* Michelbacher and Essig, Jour. Econ. Ent., 1933, 27: 965. [Calif.]
- Bathyplectes curculionis* Smith, Ann. Ent. Soc. Amer., 1933, 26: 527-528. [biol.]
- Bathyplectes curculionis* Essig and Michelbacher, Bull. Calif. Agr. Exp. Sta., 1933, 567: 63-67. [fig., biol., host *a*, distribution (various authors quoted, giving distribution as Europe, Tunis, and Turkestan)]
- Bathyplectes curculionis* Sorenson, Bull. Ut. Agr. Exp. Sta., 1934, 250: 48. [biol., host *a*, parasite *g*, Ut.]
- Bathyplectes curculionis* Sorenson, Proc. Ut. Acad. Sci., 1934, 11: 249-251. [parasite *a b c d e f*, Ut.]
- Bathyplectes curculionis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]
- Bathyplectes curculionis* Michelbacher, Jour. Econ. Ent., 1940, 33: 892-895. [biol., host *a*, Calif.]
- Bathyplectes curculionis* Michelbacher, Hilgardia, 1940, 13: 81-99. [fig., biol., host *a*, Calif.]

CURCULIONIDAE: *a*, *Hypera postica*.

Parasites. CHALCIDIDAE: *a*, *Catolaccus aeneoviridis*; *b*, *Dibrachys cavus*; *c*, *Eupelmella vesicularis*; *d*, *Eupteromalus* sp.; *e*, *Habrocytus* spp.; *f*, *Tetrastichus bruchophagi*; *g*, chalcid.

***Bathyplectes exiguus* (Gravenhorst)**

- Campoplex exiguus* Gravenhorst, Ichneum. Europeae, 1829, 3: 499. ♀. [o.d., "circa Norimbergam, Sickershausen et Berolinum lectae" (Europe) (?Breslau Mus.)]
- Limneria sessilis* Provancher, Nat. Canad., 1875, 7: 148, 149. ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.
- Limneria sessilis* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 370). [key, des.]
- Limneria sessilis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]
- Limnerium sessile* Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]
- Campoplex* (*Bathyplectes*) *etemankiakorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [key, o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

- Bathyplectes exigua* Rockwood, Canad. Ent., 1920, 52: 39. [biol., host *a*, Wash.]
- Bathyplectes exigua* Detwiler, Bull. Cornell Univ. Agr. Exp. Sta., 1923, 420: 19. [biol., host *a*, N.Y.]
- Bathyplectes exigua* Underhill, Quart. Bull. Va. State Crop Pest Comm., 1924, 6, no. 1: 6. [host *a*, Va.]
- Campoplex* (*Bathyplectes*) *phytonomi* Viereck, Canad. Ent., 1925, 57: 225. [o.d. in key]; 1926, 58: 222. ♂, ♀. [des., host ?*a*, Ottawa, Ont. (C.N.C.), B.C., Que.] New synonymy.
- Campoplex* (*Diadegma*) *sessile* Viereck, Canad. Ent., 1925, 57: 227 [key]; 1926, 58: 281. [syn.]
- Bathyplectes exigua* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *a b*, N.Y.]
- Bathyplectes exigua* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Bathyplectes exigua* Chamberlin, Proc. Ent. Soc. Wash., 1933, 35: 106. [biol., host *c*, Ore.]

CURCULIONIDAE: *a*, *Hypera nigrirostris*; *b*, *Hypera punctata*; *c*, *Hypera rumicis*.

### BIOLYSIA Schmiedeknecht

*Biolysia* Schmiedeknecht, Hymen. Mitteleur., 1907, p. 601.

Genotype: *Nepiesta marginella* Thomson.

***Biolysia tristis*** (Gravenhorst) new combination

- Campoplex tristis* Gravenhorst, Ichneum. Europeae, 1829, 3: 492. ♂, ♀. [o.d., "in Superga prope Taurinum" and "prope Genuam" (Europe) (? Breslau Mus.)]
- Bathyplectes tristis* Dicke, Jour. Econ. Ent., 1937, 30: 375-376. [biol., host *a*, Va.]

CURCULIONIDAE: *a*, *Hypera punctata*.

### CAMPOLETIS Foerster

*Sagaritis* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 325. Pre-occupied by Billberg, 1820 and by Huebner, 1821.

Genotype: *Campoplex declinator* Gravenhorst.

*Campoletis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Mesoleptus tibiator* Cresson. Included by Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, & 18: 89.

***Campoletis apicatus*** (Viereck) new combination

- Sagaritis apicatus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 128. ♀. [des., Sudbury, Ont. (C.N.C.)]
- Sagaritis apicatus* Walley, Canad. Ent., 1927, 59: 230. [key]

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**Campoletis aprilis** (Viereck) new combination

*Sagaritis aprilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 263. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

*Sagaritis aprilis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Sagaritis bigelowi* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♀. [des., Macdiarmid, Lake Nipigon, Ont. (C.N.C.) New synonymy.

*Sagaritis citrinus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♀. [des., Oliver, B.C. (C.N.C.), Ont.) New synonymy.

*Sagaritis aprilis* Viereck, Canad. Ent., 1925, 57: 200. [key]

*Sagaritis bigelowi* Walley, Canad. Ent., 1927, 59: 227. [key]

*Sagaritis citrinus* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis aprilis* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis argentifrons** (Cresson) new combination

*Mesoleptus dubitatus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♀. [o.d., Ill. (A.N.S.P.)] New synonymy.

*Mesoleptus argentifrons* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♂. [o.d., Ill. (A.N.S.P.)]

*Mesoleptus vicinus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 268. ♀. [o.d., N.J. (A.N.S.P.), Pa.] New synonymy.

*Limneria dubitata* Provancher, Nat. Canad., 1882, 13: 365; (Faune, p. 787). ♂, ♀. [des., Que.]

*Limneria dubitata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

*Limneria vicina* Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

*Limneria argentifrons* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

*Limneria dubitata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

*Limneria vicina* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

*Limneria consimilis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., Tex. (U.S.N.M.)] New synonymy.

*Limneria argentifrons* Riley and Howard, Insect Life, 1890, 3: 158. [host c, Ind.]

*Limneria dubitata* Riley and Howard, Insect Life, 1890, 3: 158. [host ?n, Ind., Mass., Tex.]

*Limneria dubitata* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Limneria dubitata* Harrington, Canad. Ent., 1897, 29: 45. [B.C.]

*Rhimphoctona argentifrons* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]

*Meloboris dubitata* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [N.J.]

*Limnerium argentifrons* Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

*Limnerium consimile* Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

*Limnerium provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 102. New name for *Mesoleptus dubitatus* Cresson.

- Limnerium vicinum* Dalla Torre, Cat. Hymen., 1901, 3: 106. [syn.]
- Limneria argentifrons* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria dubitata* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria vicina* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Limnerium argentifrons* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host c]
- Limnerium provancheri* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [host n]
- Sagaritis dubitatus* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]
- Sagaritis provancheri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. [key, Conn.]
- Sagaritis dubitatus* Phillips and King, Farmers' Bull. U. S. Dept. Agr., 1923, 1310: 12. [host k]
- Sagaritis dubitatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host g k m n s, Tex.]
- Sagaritis consimilis* Rockwood, Jour. Econ. Ent., 1925, 18: 720. [host f]
- Olesicampe argentifrons* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Sesioplex heliaeformis* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 298. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis strigosus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis evansi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 74, 129. ♀. [key, des., host v, Prince Edward Co., Ont. (C.N.C.), N.S., Sask.] New synonymy.
- Sagaritis englishi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♀. [des., St. Johns, Newfoundland (C.N.C.)] New synonymy.
- Sagaritis conspicuosus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis inconspicuus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis interruptus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 127, 129. ♂. [key, des., Grimsby, Ont. (C.N.C.)] New synonymy.
- Sagaritis consimilis* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]
- Sagaritis provancheri* Poos, Bull. Va. Truck Exp. Sta., 1926, 56: 495. [host d, Va.]
- Sagaritis interruptus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis strigosus* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis evansi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis englishi* Walley, Canad. Ent., 1927, 59: 229. [key]
- Sagaritis conspicuosus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis inconspicuus* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis consimilis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis consimilis* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host b, N.J.]

- Sagaritis provancheri* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]
- Sagaritis consimilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *f j*, N.Y.]
- Sagaritis provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host *e i k l n o p r*, N.Y.]
- Olesicampe argentifrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Sagaritis dubitatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *n*, parasite *a b*, Fla., Kans., Miss., S.C., Tenn., Tex.]
- Sagaritis provancheri* Poos, Proc. Ent. Soc. Wash., 1928, 30: 146. [host *d*, Va.]
- Sagaritis provancheri* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *p q*]
- Sagaritis consimilis* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *f*]
- Sagaritis dubitatus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 36-38. [biol., host *g k m n s*, Tex.]
- Sagaritis consimilis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Sagaritis provancheri* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 73. [host *a*, Ut.]
- Sagaritis dubitatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *h u*, Me., Mass.]
- Sagaritis provancheri* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Sagaritis provancheri* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *a s*, Ut.]
- Sagaritis strigosus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis consimilis* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]
- Sagaritis provancheri* Martin, Ann. Rpt. N.J. Agr. Exp. Sta., 1939, 60: 50. [host *k*, N.J.]
- Sagaritis provancheri* Stuckey, Ann. Rpt. Ga. Exp. Sta., 1940, 52: 61. [host *j*, Ga.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. OLETHREUTIDAE: *b*, *Grapholitha molesta*. CRAMBIDAE: *c*, *Crambus zeellus*. PYRAUSTIDAE: *d*, *Hymenia fascialis*; *e*, *Pyrausta nubilalis*. PHALAENIDAE: *f*, *Agrotis ypsilon*; *g*, *Autographa* sp.; *h*, *Ceramica picta*; *i*, *Dargida procincta*; *j*, *Feltia* sp.; *k*, *Heliothis armigera*; *l*, *Lacinipolia stricta*; *m*, *Laphygma exigua*; *n*, *Laphygma frugiperda*; *o*, *Morrisonia confusa*; *p*, *Neleucania* sp.; *q*, *Peridromia margaritosa*; *r*, *Prodenia ornithogalli*; *s*, *Prodenia* sp.; *t*, cutworms. NYMPHALIDAE: *u*, *Vanessa atalanta*. TENTHREDINIDAE: *v*, *Metallus rubi*.

Parasites. ICHNEUMONIDAE: *a*, "*Hemiteles*" sp. CHALCIDIDAE: *b*, *Catolaccus aeneoviridis*.

**Campoletis atkinsoni** (Viereck) new combination

*Sagaritis atkinsoni* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38, 129. ♂. [key, des., Rosthern, Sask. (C.N.C.)]

*Sagaritis teulonensis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [key, des., Saskatoon, Sask. (C.N.C.), Alta., Man.]

New synonymy.

*Sagaritis atkinsoni* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sagaritis teulonensis* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis atkinsoni* King and Atkinson, Ann. Ent. Soc. Amer., 1928, 21: 173-174, 185. [biol., host *a*, Sask.]

PHALAENIDAE: *a*, *Euxoa ochrogaster*.

**Campoletis atypicus** (Viereck) new combination

*Sagaritis atypicus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♀. [des., Aylmer, Que. (C.N.C.)]

*Sagaritis atypicus* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sesioplex canadensis* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 8. ♂, ♀. [o.d., Edmondton, Alta. (U.S.N.M.), Ont., Que.] New synonymy.

**Campoletis australis** (Viereck) new combination

*Limnerium australis* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 90. ♀. [o.d., Beulah, N.M. (A.N.S.P.)]

**Campoletis banksi** (Viereck) new combination

*Campoplex banksi* Viereck, Psyche, 1921, 28: 72. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

*Campoplex banksi* Viereck, Canad. Ent., 1925, 57: 225. [key]

**Campoletis californicus** (Holmgren) new combination

*Sagaritis californica* Holmgren, Eugenes Resa, 1868, insect. p. 418. ♂. [o.d., Calif. (? Stockholm Mus.)]

*Sagaritis californicus* var. Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

*Sagaritis californicus* (race) Viereck, Canad. Ent., 1925, 57: 199. [key]

*Sagaritis californicus* (race) Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis clavatus** (Provancher) new combination

*Limneria clavata* Provancher, Nat. Canad., 1875, 7: 148, 149. ♂ (not ♀). [key, o.d., Que. (M.P.Q.)]

*Mesoleptus oxylus* Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.]  
Misidentified.

*Limneria clavata* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, syn., des.]

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- Limneria clavata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♀.  
[des., Que.]
- Sagaritis conjunctiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♂). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Sagaritis xanthotaenius* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Lancaster, N.Y. (C.N.C.)] New synonymy.
- Sagaritis latus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 37. ♀. [des., Saskatoon, Sask. (C.N.C.)] New synonymy.
- Sagaritis conjunctiformis* Viereck, Canad. Ent., 1925, 57: 199. [key]
- Sagaritis hexagonalis* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 37. ♂. [des., Jordan, Ont. (C.N.C.)] New synonymy.
- Sagaritis beaulieuvi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 38. ♂. [des., near Montreal, Que. (C.N.C.)] New synonymy.
- Sagaritis basalis* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂, ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.
- Sagaritis garretti* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 129. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis xanthotaenius* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis latus* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis conjunctiformis* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis beaulieuvi* Walley, Canad. Ent., 1927, 59: 228. [key]
- Sagaritis hexagonalis* Walley, Canad. Ent., 1927, 59: 230. [key]
- Sagaritis basalis* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis garretti* Walley, Canad. Ent., 1927, 59: 231. [key]
- Sagaritis nigriscapopus* var. *rufitrochanteralis* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.
- Sagaritis clavata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Campoletis clitellarius** (Walley) new combination

- Sagaritis clitellarius* Walley, Canad. Ent., 1927, 59: 232. ♂. [o.d., Oliver, B.C. (C.N.C.)]

**Campoletis compactus** (Provancher) new combination

- Limneria compacta* Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen nudum.
- Limneria compacta* Provancher, Canad. Ent., 1885, 17: 116. ♀. [o.d., Vancouver Is., B.C. (C.N.C.)]
- Limneria compacta* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]
- Limneria compacta* Provancher, Addit. Faune Canada, Hymén., 1886, p. 98. ♀. [key, des.]
- Limnerium compactum* Dalla Torre, Cat. Hymen., 1901, 3: 92. [syn.]
- Sagaritis compactus* Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]



*Sagaritis downsi* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36 (as *S. downesi* (!)). ♂. [des., Gordon Hd., B.C. (C.N.C.)] New synonymy.

*Sagaritis compactus* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sagaritis downesi* (!) Walley, Canad. Ent., 1927, 59: 228. [key]

**Campoletis conjunctus** (Cresson) new combination

*Mesoleptus conjunctus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Ill. (A.N.S.P.)]

*Limneria conjuncta* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Sagaritis conjunctus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Sagaritis conjunctus* Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

*Sagaritis conjunctus* Walley, Canad. Ent., 1927, 59: 228. [key]

**Campoletis diversus** (Viereck) new combination

*Sagaritis diversus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♀. [des., Waterton, Alta. (C.N.C.)]

*Sagaritis diversus* Walley, Canad. Ent., 1927, 59: 228. [key]

**Campoletis flavicinctus** (Ashmead) new combination

*Limneria flavicincta* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Lafayette, Ind. (U.S.N.M.)]

*Limneria flavicincta* Webster, Proc. Ind. Acad. Sci., 1892, p. 90. [Ind.]

*Limnerium flavicinctum* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Limneria flavicincta* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Limneria flavicincta* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]

*Limnerium* (*Campoletis*) *prodeniae* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 190. ♂, ♀. [o.d., host *a*, Mt. Washington, Ohio (U.S.N.M.)] New synonymy.

*Sagaritis prodeniae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 634. [syn.]

*Sagaritis dubitatus* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 155. [syn. (in part)]

*Sagaritis flavicincta* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Sagaritis flavicinctus* Viereck, Canad. Ent., 1925, 57: 201. [key]

*Sagaritis prodeniae* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

*Sagaritis flavicincta* Viereck, Canad. Ent., 1926, 58: 130. [syn.]

*Sagaritis flavicincta* Walley, Canad. Ent., 1927, 59: 231. [key]

*Sagaritis prodeniae* Walley, Canad. Ent., 1927, 59: 231. [key]

PHALAENIDAE: *a*, *Prodenia ornithogalli*.

**Campoletis gorhami** (Viereck) new combination

*Sagaritis gorhami* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 73. ♀. [des., Annapolis, N.S. (C.N.C.)]

*Sagaritis gorhami* Walley, Canad. Ent., 1927, 59: 229. [key]

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**Campoletis heliae** (Ashmead) new combination

*Limneria heliae* Riley and Howard, Insect Life, 1890, 3: 158. [host *a*, Va.]  
Nomen nudum.

*Limneria heliae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂. [key,  
o.d., host *a*, Washington, D.C. (U.S.N.M.)]

*Limnerium beliae*(!) Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

*Sesioplex heliae* Viereck, Canad. Ent., 1925, 57: 177. [key]; 1926, 58: 283.  
[syn.]

*Sagaritis heliae* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 7. [syn.]

*Sagaritis heliae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2:  
105. [Mass.]

PHALAEINIDAE: *a*, *Epizeuxis aemula*.

**Campoletis hoppingi** (Viereck) new combination

*Sagaritis hoppingi* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:  
76. ♂. [des., Midday Valley, Merritt, B.C. (C.N.C.)]

*Sagaritis hoppingi* Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis imperfectus** (Viereck) new combination

*Sagaritis imperfectus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926,  
58: 127, 129. ♀. [key, des., Sask. (C.N.C.), Ont.]

*Sagaritis imperfectus* Walley, Canad. Ent., 1927, 59: 229, 230. [key]

**Campoletis incompletus** (Viereck) new combination

*Sagaritis incompletus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,  
58: 71. ♂. [des., Ottawa, Ont. (C.N.C.)]

*Sagaritis incompletus* Walley, Canad. Ent., 1927, 59: 228. [key]

**Campoletis intermedius** (Viereck) new combination

*Sagaritis intermedius* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926,  
58: 34. ♂. [des., Victoria, B.C. (C.N.C.)]

*Sagaritis trakas* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58:  
126. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

*Sagaritis taylori* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58:  
126. ♀. [des., Vancouver Is., B.C. (C.N.C.)] New synonymy.

*Sagaritis intermedius* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sagaritis trakas* Walley, Canad. Ent., 1927, 59: 229. [key]

*Sagaritis taylori* Walley, Canad. Ent., 1927, 59: 231. [key]

**Campoletis kingi** (Viereck) new combination

*Sagaritis kingi* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77,  
129. ♀. [key, des., Saskatoon, Sask. (C.N.C.)]

*Sagaritis kingi* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis linearis** (Viereck) new combination

*Sagaritis linearis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 76. ♂. [des., Saskatoon, Sask. (C.N.C.)]

*Sagaritis linearis* Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis lipomerus** (Viereck) new combination

*Sagaritis lipomerus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 32. ♂, ♀. [des., Saskatoon, Sask. (C.N.C.)]

*Sagaritis rufiscapus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 75. ♂. [des., Hastings Co., Ont. (C.N.C.)] New synonymy.

*Sagaritis lipomerus* Walley, Canad. Ent., 1927, 59: 227. [key]

*Sagaritis rufiscapus* Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis maius** (Viereck) new combination

*Sagaritis maius* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 125, 129. ♂. [key, des., Oliver, B.C. (C.N.C.)]

*Sagaritis maius* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis medius** (Viereck) new combination

*Sagaritis medius* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 34. ♀. [des., Sudbury, Ont. (C.N.C.)]

*Sagaritis medius* Walley, Canad. Ent., 1927, 59: 227. [key]

**Campoletis melanocerus** (Viereck) new combination

*Sagaritis melanocerus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 123. ♂. [des., Grimsby, Ont. (C.N.C.)]

*Sagaritis melanocerus* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis melanomerus** (Viereck) new combination

*Sagaritis melanomerus* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 122. ♂. [des., Alp. Gard., Mt. Washington, N.H. (M.C.Z.)]

*Sagaritis melanomerus* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis nigricoxus** (Viereck) new combination

*Sagaritis nigricoxus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 74. ♀. [des., Bilby, Alta. (C.N.C.)]

*Sagaritis nigricoxus* Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis nigripes** (Cresson) new combination

*Mesoleptus nigripes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♀. [o.d., Ill. (A.N.S.P.)]

*Mesoleptus hostilis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 267. ♂. [o.d., Ill. (A.N.S.P.)] New synonymy.

*Limneria hostilis* Nason, Ent. News, 1905, 16: 152. [Ill.]

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**Campoletis nigriscapus** (Viereck) new combination

*Sagaritis nigriscapus* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 128. ♂. [des., Saskatoon, Sask. (C.N.C.)]

*Sagaritis nigriscapus* Walley, Canad. Ent., 1927, 59: 231. [key]

**Campoletis oxylus** (Cresson) new combination

*Mesoleptus oxylus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 262. ♂, ♀. [o.d., Del. (A.N.S.P.), Ill.]

*Limneria oxylus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 428. [key]

*Limneria occidentalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♀. [key, o.d., central Mo. (U.S.N.M.)] New synonymy.

*Limneria oxylus* Riley and Howard, Insect Life, 1890, 3: 157. [host *b*, Ala.]

*Limneria nephelodis* Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.] Nomen nudum.

*Limneria oxyius*(!) Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Limneria nephelodis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.

[key, o.d., host *e*, St. Louis, Mo. (U.S.N.M.)] New synonymy.

*Limnerium nephelodis* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

*Limnerium occidentale* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

*Limnerium oxylus* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

*Limneria oxylus* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Limnerium lawrencei* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. ♀.

[o.d., Lawrence, Kans. (Univ. Kans.)] New synonymy.

*Limneria lawrencei* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

*Sagaritis ruficoxalis* Viereck, Proc. Biol. Soc. Wash., 1916, 29: 170. ♂, ♀.

[o.d. Four-mile Run, Va. (U.S.N.M.)] New synonymy.

*Sagaritis oxylus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Sagaritis nigrisignatus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♂, ♀. [des., host *a*, Aweme, Man. (C.N.C.), Ont.] New synonymy.

*Sagaritis nephelodis* Viereck, Canad. Ent., 1925, 57: 199. [key]; 1926, 58: 129. [syn.]

*Sagaritis stramineiscapus* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 126. ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.

*Sagaritis occidentalis* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

*Sagaritis oxylus* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

*Sagaritis lawrencei* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58: 130. [syn.]

*Sagaritis ruficoxalis* Viereck, Canad. Ent., 1925, 57: 201. [key]

*Sagaritis oxylus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Sagaritis ruficoxalis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

*Sagaritis nephelodis* Walley, Canad. Ent., 1927, 58: 228. [key]

- Sagaritis nigrisignatus* Walley, Canad. Ent., 1927, 59: 228. [key]  
*Sagaritis occidentalis* Walley, Canad. Ent., 1927, 59: 230. [key]  
*Sagaritis stramineiscapus* Walley, Canad. Ent., 1927, 59: 230. [key]  
*Sagaritis oxylus* Walley, Canad. Ent., 1927, 59: 231. [key]  
*Sagaritis lawrencei* Walley, Canad. Ent., 1927, 59: 231. [key]  
*Sagaritis ruficoxalis* Walley, Canad. Ent., 1927, 59: 231. [key]  
*Sagaritis oxylus* Lowry, Tech. Bull. N.H. Agr. Exp. Sta., 1927, 34: 22. [biol., host g, N.H.]  
*Sagaritis oxylus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 64. [host d, Tenn.]  
*Sagaritis oxylus* Beckwith and Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1928, 48: 139. [biol., host i, N.J.]  
*Sagaritis oxylus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [host b c d, N.Y.]  
*Sagaritis oxylus* Fluke, Res. Bull. Wis. Agr. Exp. Sta., 1929, 93: 42. [host h]  
*Sagaritis oxylus* Beckwith, Jour. N.Y. Ent. Soc., 1929, 37: 415. [biol., host c, N.J.]  
*Sagaritis oxylus* Decker, Ia. State Col. Jour. Sci., 1935, 9: 572. [host f g, Ia.]  
 CRAMBIDAE: a, crambid on *Triticum aestivum* and other grasses. PHALAENIDAE: b, *Cirphis unipuncta*; c, *Epiglaea apiata*; d, *Laphygma frugiperda*; e, *Nephelodes violans*; f, *Oligia fractilinea*; g, *Papaipema nebris*. SYRPHIDAE: h, *Syrphus* sp. Miscellaneous: i, blossom worm on *Vaccinium macrocarpon*.

***Campoletis pacificus* (Walley) new combination**

- Sagaritis ruficrus* var. *pacificus* Walley, Canad. Ent., 1927, 59: 233, 234. ♂. [key, o.d., fig., Victoria, B.C. (C.N.C.)]

***Campoletis parasignatus* (Walley) new combination**

- Sagaritis parasignatus* Walley, Canad. Ent., 1927, 59: 232. ♀. [key, o.d., Indian Head, Sask. (C.N.C.)]

***Campoletis patsuiкетовum* (Viereck) new combination**

- Sagaritis patsuiкетовum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 262. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]  
*Sagaritis unicolor* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 33. ♂, ♀. [des., host b, Saskatoon, Sask. (C.N.C.), B.C.] New synonymy.  
*Sagaritis lipopus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.  
*Sagaritis cingulatus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 35. ♂, ♀. [des., Jordan, Ont. (C.N.C.)] New synonymy.  
*Sagaritis melanosomus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 71. ♀. [des., Beacon Lake, Alta. (C.N.C.)] New synonymy.  
*Sagaritis patsuiкетовum* Viereck, Canad. Ent., 1925, 57: 199. [key]

- Sagaritis cingulatus* Walley, Canad. Ent., 1927, 59: 227. [key]  
*Sagaritis lipopus* Walley, Canad. Ent., 1927, 59: 227. [key]  
*Sagaritis unicolor* Walley, Canad. Ent., 1927, 59: 228. [key]  
*Sagaritis patsuiketorum* Walley, Canad. Ent., 1927, 59: 228. [key]  
*Sagaritis melanosomus* Walley, Canad. Ent., 1927, 59: 229. [key]  
*Sagaritis patsuiketorum* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.  
 [Me.]  
*Sagaritis patsuiketorum* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191.  
 [host a, N.J.]  
 OLETHREUTIDAE: a, *Grapholitha molesta*. PYRAUSTIDAE: b, *Loxostege sticticalis*.

**Campoletis perdistinctus** (Viereck) new combination

- Limnerium perdistinctus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 304. ♀.  
 [o.d., Douglas Co., Kans. (Univ. Kans.)]  
*Amorphota nocturna* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 308. ♂. [o.d.,  
 Lawrence, Kans. (Univ. Kans.)] New synonymy.  
*Limnerium perdistincta* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 178. [des.,  
 Kans.]  
*Limneria perdistincta* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.,  
 Kans.]  
*Sagaritis trochanteralis* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926,  
 58: 75. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.  
*Sagaritis twinni* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:  
 72. ♂, ♀. [des., Ottawa, Ont. (C.N.C.), B.C.] New synonymy.  
*Sagaritis nocturnus* Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129.  
 [syn.]  
*Sagaritis perdistinctus* Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58:  
 129. [syn.]  
*Sagaritis modestus* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926,  
 58: 126. ♂. [des., Grimsby, Ont. (C.N.C.)] New synonymy.  
*Amorphota nocturna* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183.  
 [key]  
*Sagaritis trochanteralis* Walley, Canad. Ent., 1927, 59: 229. [key]  
*Sagaritis twinni* Walley, Canad. Ent., 1927, 59: 229. [key]  
*Sagaritis nocturnus* Walley, Canad. Ent., 1927, 59: 229. [key]  
*Sagaritis perdistinctus* Walley, Canad. Ent., 1927, 59: 229. [key]  
*Sagaritis modestus* Walley, Canad. Ent., 1927, 59: 231. [key]

**Campoletis plenus** (Provancher) new combination

- Limneria plena* Provancher, Nat. Canad., 1875, 7: 146, 149. ♀. [key, o.d.,  
 Que. (M.P.Q.)]  
*Limneria plena* Provancher, Nat. Canad., 1879, 11: 175; (Faune, p. 367).  
 [key, des., fig.]  
*Limneria plena* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85. [key]

*Limnerium plenum* Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

*Limneria plena* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Sagaritis chrystali* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Cowly, Alta. (C.N.C.)] New synonymy.

*Sagaritis chrystali* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis rufosignatus** (Viereck) new combination

*Sagaritis rufosignatus* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 34. ♂. [des., Jordan, Ont. (C.N.C.)]

*Sagaritis rufosignatus* Walley, Canad. Ent., 1927, 59: 227. [key]

**Campoletis septentrionalis** (Viereck) new combination

*Sagaritis septentrionalis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 76. ♀. [des., Nordegg, Alta. (C.N.C.)]

*Sagaritis aequalis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 122. ♂, ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

*Sagaritis laevis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 124, 129. ♂, ♀. [des., Oliver, B.C. (C.N.C.), Alta.] New synonymy.

*Sagaritis ruficrus* Viereck, Canad. Ent., 1925, 57: 201. [o.d. in key]; 1926, 58: 127. ♂. [des., Waterton, Alta. (C.N.C.)] New synonymy.

*Sagaritis septentrionalis* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis aequalis* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis laevis* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis ruficrus* Walley, Canad. Ent., 1927, 59: 231. [key]

*Sagaritis approximalis* Walley, Canad. Ent., 1927, 59: 231. ♂. [key, o.d., Oliver, B.C. (C.N.C.)] New synonymy.

*Sagaritis vierecki* Walley, Canad. Ent., 1927, 59: 233. ♂, ♀. [key, o.d., fig., Oliver, B.C. (C.N.C.)] New synonymy.

**Campoletis signatus** (Viereck) new combination

*Sagaritis signatus* Viereck, Canad. Ent., 1925, 57: 199. [o.d. in key]; 1926, 58: 72. ♀. [des., Oliver, B.C. (C.N.C.)]

*Sagaritis signatus* Walley, Canad. Ent., 1927, 59: 229. [key]

**Campoletis striatipes** (Ashmead) new combination

*Limneria striatipes* Ashmead, Psyche, 1901, 9: 148. ♂, ♀. [o.d., Las Vegas Range between Pecos and Sapello Rivers, 11000 Ft., N.M. (U.S.N.M.)]

*Sagaritis striatipes* Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129. [syn.]

*Sagaritis striatipes* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis taeniolatus** (Viereck) new combination

*Limnerium taeniolata* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♂. [o.d., Beulah, N.M. (A.N.S.P.)]

**Campoletis tibialis** (Viereck) new combination

*Sagaritis tibialis* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58: 77. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]

*Sagaritis tibialis* Walley, Canad. Ent., 1927, 59: 230. [key]

**Campoletis tibiator** (Cresson)

*Mesoleptus tibiator* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 259. ♂. [o.d., N.J. (A.N.S.P.), Ill.]

*Mesoleptus tibiator* Provancher, Nat. Canad., 1875, 7: 270, 272. [key, Que.]

*Limneria distincta* Provancher, Nat. Canad., 1882, 3: 365; (Faune, p. 787). ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Limneria distincta* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

*Limneria tibiator* Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

*Limneria tibiator* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

*Limneria tibiator* Riley and Howard, Insect Life, 1890, 3: 157. [host *a b c*, Calif., D.C., Fla., Ia., Mo., Tex., Va.]

*Limneria tibiator* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Limneria tibiator* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42. [Ohio]

*Limnerium tibiator* Dalla Torre, Cat. Hymen., 1901, 3: 105. [syn.]

*Limnerium distinctum* Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

*Limneria tibiator* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Ischnoscopus taeniatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 305. ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

*Campoletis tibiator* Houghton, Rpt. Del. Agr. Exp. Sta., 1907, rpts. 16, 17, 18: 89. [host *a*, Del.]

*Limneria tibiator* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]

*Limnerium tibiator* Chittenden and Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 109: 31. [biol.]

*Sagaritis taeniatus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]

*Sagaritis taeniatus* Viereck, Canad. Ent., 1925, 57: 198. [key]; 1926, 58: 129. [syn.]

*Sagaritis apicalis* Viereck, Canad. Ent., 1925, 57: 198. [o.d. in key]; 1926, 58: 36. ♂. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

*Angitia tibiator* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

*Sagaritis taeniatus* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sagaritis apicalis* Walley, Canad. Ent., 1927, 59: 228. [key]

*Sagaritis tibiator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*. Phycitidae: *b*, *Mineola indigenella*. PHALAEINIDAE: *c*, *Autographa brassicae*.



**Campoletis websteri** (Viereck) new combination

*Limnerium (Angitia) websteri* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382.

♀. [o.d., fig., host *b*, Pullman, Wash. (U.S.N.M.)]

*Sagaritis websteri* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

*Sagaritis websteri* Hyslop, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 95: 115.

[fig., biol., host *b*, Wash.]

*Sagaritis websteri* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

*Sagaritis websteri* Viereck, Canad. Ent., 1925, 57: 200. [key]; 1926, 58: 129.

[key, syn.]

*Sagaritis julius* Viereck, Canad. Ent., 1925, 57: 200. [o.d. in key]; 1926, 58:

125. ♂. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)] New synonymy.

*Sagaritis websteri* Walley, Canad. Ent., 1927, 59: 230. [key]

*Sagaritis julius* Walley, Canad. Ent., 1927, 59: 230. [key]

GLYPHPTERYGIDAE: *a*, *Choreutis balsamorhizella*. PHALAENIDAE: *b*, *Autographa californica*.

**Campoletis yakutatensis** (Ashmead) new combination

*Ischnoscopus yakutatensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♂,

♀. [o.d., Yakutat, Alaska (U.S.N.M.)] New synonymy.

*Limnerium yakutatense* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♂, ♀.

[o.d., Yakutat, Alaska (U.S.N.M.)]

*Sagaritis yakutatensis* Viereck, Canad. Ent., 1925, 57: 201. [key]; 1926, 58:

130. [syn.]

*Sagaritis yakutatensis* Walley, Canad. Ent., 1927, 59: 231. [key]

**ECPHOROPSIS** Ashmead

*Ecphora* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154.

Preoccupied by Conrad, 1843.

Genotype: *Campoplex viennensis* Gravenhorst

*Ecphoropsis* Ashmead, Canad. Ent., 1900, 32: 368. New name for *Ecphora*

Foerster.

**Ecphoropsis longiceps** Roman

*Ecphoropsis longiceps* Roman, Mém. Pétersbourg Acad., 1914 (or 1926?), 29, no.

7:13. ♂. [o.d., fig., West-Taimyr, Walter-Bal, North-Siberia (Leningrad Mus.)]

*Ecphoropsis longiceps* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11.

♀. [des., Greenland]

**SPUDASTICA** \* Foerster

*Spudastica* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: (*Spudastica petiolaris* Thomson) = *kriechbaumeri* Bridgman.

\* There is an undescribed Nearctic species of this genus in the U. S. National Museum.

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**CAMPOPLEGIDEA** Viereck

*Campoplex* of authors, not of the genotype.

*Anisitsia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. Preoccupied by Eigenmann, 1903.

Genotype: *Campoplex villosus* Norton.

*Campoplegidea* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Campoplex oxyacanthae* Boie.

*Pseudocasinaria* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644.

Genotype: *Casinaria americana* Ashmead.

*Viereckiana* Strand, Arch. Naturg., 1914, 80 A: 163. New name for *Anisitsia* Viereck.

*Idiosomidea* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271.

Genotype: (*Campoplex photomorphus* Viereck) = *bellulus* Dalla Torre.

**Campoplegidea alia** (Norton)

*Campoplex alius* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Mass. (type lost)]

*Campoplex alius* Provancher, Nat. Canad., 1876, 8: 317. [Que.]

*Campoplex alius* Provancher, Nat. Canad., 1879, 11: 150; (Faune p. 364). [key, des.]

*Campoplex alius* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Campoplex alius* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplegidea alia* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

*Campoplegidea alia* Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

**Campoplegidea americana** (Ashmead)

*Casinaria americana* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 22. ♀. [o.d., West Cliff, Colo. (U.S.N.M.)]

*Pseudocasinaria americana* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 644. [syn.]

*Campoplegidea* (*Viereckiana*) *erythromera* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Pseudocasinaria americana* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

*Campoplegidea americana* Walley, Sci. Agr., 1940, 20: 701. ♂, ♀. [key, syn., des., Ala., B.C., Colo., D.C., Md., Mass., Mich., N.J., N.Y., Ohio, Ont., Pa., Tex., Va.]

**Campoplegidea argentea** (Norton)

*Campoplex argenteus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn., N.Y. (Yale Univ.)]

*Campoplex argenteus* Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

*Campoplex argenteus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.  
♀. [des., Ont.]

*Campoplex argenteus* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Casinaria argentea* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 273.  
♀. [des.]

*Campoplegidea citriscapa* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Okanagan, B.C. (C.N.C.)]

*Campoplegidea argentea* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Campoplegidea argentea* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

*Campoplegidea argentea* Walley, Sci. Agr., 1940, 20: 664, 674. ♂, ♀. [key, syn., des., fig., B.C., Ill., Mass., Mich., N.J., N.Y., Ont., Pa., Que., Va.]

***Campoplegidea arizonensis* Walley**

*Campoplegidea arizonensis* Walley, Sci. Agr., 1940, 20: 664, 709. ♂, ♀. [key, o.d., fig., Sabino Canyon, Ariz. (U.S.N.M.)]

***Campoplegidea assita* (Norton)**

*Campoplex assitus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

*Campoplex assitus* Riley and Howard, Insect Life, 1890, 3: 153. [host *a*, Calif., Vt.]

*Casinaria assita* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272.  
♀. [des.]

*Campoplegidea (Viereckiana) curvata* Viereck, Trans. Roy. Soc. Canada., 1926, 20, sect. 5: 179. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

*Campoplegidea (Viereckiana) citripes* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Lanoraie, Que. (C.N.C.)]

*Viereckiana assita* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.  
[Me.]

*Campoplegidea assita* Walley, Sci. Agr., 1940, 20: 666, 679. ♂, ♀. [key, syn., des., fig., Conn., Mich., N.J., N.S., Ont., Que.]

PHALAEINIDAE: *a*, ?phalaenid.

***Campoplegidea associata* Walley**

*Campoplegidea associata* Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Texarkana, Ark. (U.S.N.M.), La.]

***Campoplegidea australis* Walley**

*Campoplegidea australis* Walley, Sci. Agr., 1940, 20: 715. ♂, ♀. [key, o.d., Blacksburg, S.C. (U.S.N.M.), Ont.]

***Campoplegidea bellulus* (Dalla Torre)**

*Campoplex bellus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀ (not ♂).  
[o.d., Bosque Co., Tex. (A.N.S.P.)] Preoccupied by Cresson, 1865.

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- Campoplex bellulus* Dalla Torre, Cat. Hymen., 1901, 3: 138. New name for *Campoplex bellus* Cresson, 1872.
- Campoplex photomorphus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]
- Anisitsia bellulus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]
- Idiosomidea photomorpha* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. [syn.]
- Idiosomidea secunda* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. ♂. [o.d., Bilby, Alta. (C.N.C.)]
- Campoplegidea* (*Viereckiana*) *photomorpha* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]
- Viereckiana bellulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana bellulus* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Campoplegidea bellula* Walley, Sci. Agr., 1940, 20: 666, 668, 711. ♂, ♀. [key, syn., des., fig., Alta., Colo., Ia., Kans., N.B., N.S., Ont., Que., S.D., Tex.]

***Campoplegidea brachiator* (Say)**

- Ophion brachiator* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed. 2: 695). [o.d., Ind. (M.C.Z.)]
- Campoplex xanthogaster* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 159. ♀. [o.d., N. Amer. (Paris Mus.)]
- Campoplex xanthogaster* Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [des.]
- Ophion brachiator* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 159. [syn., des.]
- Viereckiana brachiator* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]
- Viereckiana brachiator* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Viereckiana brachiator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Viereckiana brachiator* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Campoplegidea brachiator* Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, des., Ala., Ga., Mass., Que., Va.]

***Campoplegidea canadensis* Walley**

- Campoplegidea canadensis* Walley, Sci. Agr., 1940, 20: 664, 665, 668. ♂, ♀. [key, o.d., fig., Macdiarmid, Lake Nipigon, Ont. (C.N.C.), Alta., B.C.]

***Campoplegidea ceanothi* (Viereck) new combination**

- Casinaria* (*Pseudocasinaria*) *ceanothi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 270. ♂. [o.d., New Haven, Conn. (Conn. Agr. Exp. Sta.)]
- Pseudocasinaria ceanothi* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

**Campoplegidea confluens** Walley

*Campoplegidea confluens* Walley, Sci. Agr., 1940, 20: 673. ♂, ♀. [key, o.d., Knowlton, Que. (C.N.C.), Ont., Wis.]

**Campoplegidea conformis** Walley

*Campoplegidea conformis* Walley, Sci. Agr., 1940, 20: 726. ♀. [key, o.d., Palmerlee, Ariz. (M.C.Z.)]

**Campoplegidea crassicornis** (Provancher)

*Limneria crassicornis* Provancher, Addit. Faune Canada, Hymén., 1886, p. 88.

♂. [key, o.d., Cap Rouge, Que. (C.N.C.)]

*Campoplex crassicornis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Limnerium crassicorne* Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

*Campoplegidea crassata* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267.

♂. [key, o.d., Montreal, Que. (C.N.C.)]

*Campoplegidea (Viereckiana) crassicornis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

*Campoplegidea (Viereckiana) mimeticus* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♂, ♀. [key, o.d., near Ottawa, Ont. (C.N.C.), Que.]

*Campoplegidea (Viereckiana) sessilis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 179. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

*Campoplegidea (Viereckiana) flavicoxa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

*Campoplegidea crassata* Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

*Campoplegidea crassicornis* Walley, Sci. Agr., 1940, 20: 691. ♂, ♀. [key, syn., des., Alta., N.B., N.Y., Ohio, Ont., Que., Wis.]

**Campoplegidea deceptor** Walley

*Campoplegidea deceptor* Walley, Sci. Agr., 1940, 20: 714. ♂, ♀. [key, o.d., Inglenook, Dauphin Co., Pa. (U.S.N.M.), D.C., Ind., N.Y., Ont., Sask., Va.]

**Campoplegidea diversa** (Norton)

*Campoplex diversus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♂, ♀. [o.d., Conn., Mass. (Yale Univ.)]

*Campoplex diversus* Provancher, Nat. Canad., 1874, 6: 145. [key, Que.]

*Campoplex diversus* Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 363). [key, des., fig.]

*Campoplex diversus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Campoplex diversus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass., N.H.]

*Campoplex diversus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.]

*Casinaria diversa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des.]

*Campoplegidea diversa* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont.]  
*Campoplegidea (Viereckiana) diversa* Viereck, Canad. Ent., 1926, 58: 279.  
 [syn.]

*Campoplegidea (Viereckiana) diversa* Viereck, Trans. Roy. Soc. Canada, 1926,  
 20, sect. 5: 173. [key]

*Campoplegidea diversa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
 955. [N.Y.]

*Campoplegidea diversus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,  
 1934, 188: 148. [biol., host *b*, Mass., N.J.]

*Campoplegidea diversa* Walley, Sci. Agr., 1940, 20: 664, 666, 668, 669. ♂, ♀.  
 [key, syn., des., fig., Alta., B.C., Man., N.B., N.J., Ont., Que., Sask.]  
 In part.

GEOMETRIDAE: *a*, *Lygris diversilineata*. PHALAENIDAE: *b*, *Graptolitha* sp.

### ***Campoplegidea diversella* Walley**

*Campoplegidea diversella* Walley, Sci. Agr., 1940, 20: 671. ♂, ♀. [key, o.d.,  
 Tex. (U.S.N.M.), ?N.Y., Que.]

### ***Campoplegidea diversicolor* Viereck**

*Campoplegidea diversicolor* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:  
 265. ♀. [key, o.d., Sudbury, Ont. (C.N.C.)]

*Campoplegidea diversicolor* Walley, Sci. Agr., 1940, 20: 664, 666, 694. ♀. [key,  
 des., fig., Ont., Que.]

### ***Campoplegidea downesi* Viereck**

*Campoplegidea downesi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 265.  
 ♂, ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

*Campoplegidea planatella* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5:  
 267. ♂. [key, o.d., Waterton, Alta. (C.N.C.)] New synonymy.

*Campoplegidea vadosa* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269.  
 ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Campoplegidea downesi* Walley, Sci. Agr., 1940, 20: 672. ♂, ♀. [key, syn.,  
 des., Alta., B.C., Calif., Ont.]

*Campoplegidea planatella* Walley, Sci. Agr., 1940, 20: 673. ♂. [key, des.]

### ***Campoplegidea egregia* (Viereck)**

*Viereckiana egregia* Viereck, Proc. Biol. Soc. Wash., 1916, 29: 167. ♂, ♀.  
 [o.d., Great Falls, Va. (M.C.Z.), Md., N.C.]

*Campoplegidea egregia* Walley, Sci. Agr., 1940, 20: 719. ♂, ♀. [key, des.,  
 D.C., Md., Ohio, Pa., Tex., Va.]

### ***Campoplegidea ellopiae* Walley**

*Campoplegidea (Viereckiana) ellopiae* Walley, Canad. Ent., 1929, 61: 22. ♂,  
 ♀. [o.d., host *a*, Footes Bay, Ont. (C.N.C.)]

*Campoplegidea (Viereckiana) ellopiae* Schedl, Ztschr. Angew. Ent., 1931, 18: 258-260. [fig., biol., host *a*, parasite *a*]

*Campoplegidea ellopiae* Gryse and Schedl, Sci. Agr., 1934, 14: 535. [host *a*, Ont.]

*Campoplegidea ellopiae* Walley, Sci. Agr., 1940, 20: 666, 730. [key, des., fig.]

*Campoplegidea ellopiae* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 12. [host *a*, Canada]

*Campoplegidea ellopiae* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

GEOMETRIDAE: *a*, *Lambdina fiscellaria fiscellaria*,

Parasite. ICHNEUMONIDAE: *a*, *Itoplectis conquisitor*.

### **Campoplegidea experta** (Cresson)

*Campoplex expertus* Cresson, Trans. Amer. Ent. Soc., 1872, 6: 171. ♀ (not ♂). [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Campoplex expertus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. [Kans.]

*Campoplex expertus* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplex expertus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. [Tex.]

*Campoplex expertus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Campoplegidea experta* Walley, Sci. Agr., 1940, 20: 704. ♂, ♀. [key, des., Ind., Ia., Kans., Okla., Tex., Va.]

*Campoplegidea experta* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

### **Campoplegidea flavescens** Walley

*Campoplegidea flavescens* Walley, Sci. Agr., 1940, 20: 710. ♀. [key, o.d., Ariz. (U.S.N.M.)]

### **Campoplegidea fossata** (Viereck)

*Campoctonus fossatus* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [o.d., Aweme, Man. (C.N.C.)]

*Campoplegidea fossata* Walley, Sci. Agr., 1940, 20: 699. ♂, ♀. [key, des., Alta., Man., Ont., Que.]

### **Campoplegidea fuscitarsis** Viereck

*Campoplegidea (Viereckiana) fuscitarse* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 175. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Campoplegidea fuscitarsis* Walley, Sci. Agr., 1940, 20: 666, 729. ♂, ♀. [key, des., fig., Mass., N.Y., Ont., Que., Vt.]

### **Campoplegidea glauca glauca** (Norton)

*Campoplex glaucus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 366. ♀. [o.d., Farmington, Conn. (Yale Univ.)]

*Campoplex dissitus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 367. ♀. [o.d., "Lake Saskatchewan," probably near where Saskatchewan River flows into Lake Winnipeg (Harvard Univ.)] New synonymy.

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- Campoplex glaucus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]  
*Casinaria glauca* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272.  
♀. [des.]  
*Campoplegidea rossi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268.  
♂. [key, o.d., Jordan, Ont. (C.N.C.)]  
*Campoplegidea rossi* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 186.  
[correction to type number]  
*Viereckiana dissata*(!) Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416.  
[Me.]  
*Campoplegidea glauca* Walley, Sci. Agr., 1940, 20: 692. ♂, ♀. [key, syn.,  
des., Kans., Me., Md., N.H., Ont., Que.]  
*Campoplegidea dissita* Walley, Sci. Agr., 1940, 20: 734. ♀. [des.]
- Campoplegidea glauca caliginosa* Walley, new combination**  
*Campoplegidea caliginosa* Walley, Sci. Agr., 1940, 20: 693. ♀. [key, o.d.,  
Steelhead, B.C. (C.N.C.), Alta., Ore.]
- Campoplegidea gracilis* Walley**  
*Campoplegidea gracilis* Walley, Sci. Agr., 1940, 20: 701. ♀. [key, o.d., N.  
Bloomfield, Pa. (U.S.N.M.), Man., N.Y., Ohio, Ont.]
- Campoplegidea grahami* Walley**  
*Campoplegidea grahami* Walley, Sci. Agr., 1940, 20: 698. ♀. [key, o.d.,  
Aspen Grove, B.C. (C.N.C.), Colo.]
- Campoplegidea insolita* Walley**  
*Campoplegidea insolita* Walley, Sci. Agr., 1940, 20: 681. ♀. [key, o.d.,  
Lacolle, Que. (C.N.C.), Man., Ont.]
- Campoplegidea interstitialis* Walley**  
*Campoplegidea interstitialis* Walley, Sci. Agr., 1940, 20: 664, 703. ♀. [key,  
o.d., fig., St. Agathe des Monts, Que. (C.N.C.)]
- Campoplegidea johnsoni* Walley**  
*Campoplegidea johnsoni* Walley, Sci. Agr., 1940, 20: 729. ♀. [key, o.d.,  
Nantucket, Mass. (U.S.N.M.), N.J.]
- Campoplegidea laminata* Walley**  
*Campoplegidea laminata* Walley, Sci. Agr., 1940, 20: 680. ♂, ♀. [key, o.d.,  
Hull, Que. (C.N.C.), Conn., Mass., Mich., N.H., N.Y., Ont., Pa.,  
Tex.]



**Campoplegidea lapponica kukakensis** (Ashmead) new combination

(*Campoplex lapponica* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2:

37. ♂, ♀. [o.d., Lappland, Sweden (? Stockholm Mus.)])

*Zachresta kukakensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂.

[o.d., Kukak Bay, Alaska (U.S.N.M.)]

*Anisitsia kukakensis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

*Campoplegidea* (*Viereckiana*) *kukakensis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

*Campoplegidea kukakensis* Walley, Sci. Agr., 1940, 20: 662. ♂. [key, des.]

*Campoplegidea caudata* Walley, Sci. Agr., 1940, 20: 668, 686. ♂, ♀. [key, o.d., fig., host *a*, St. Agathe des Monts, Que. (C.N.C.), Alaska, Alta., N.H., Ont.] New synonymy.

GEOMETRIDAE: *a*, *Eulype hastata gothicata*.

**Campoplegidea laticincta** (Cresson)

*Campoplex laticinctus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 283. ♀. [o.d., Colo. (A.N.S.P.)]

*Campoplex nigripes* Provancher, Nat. Canad., 1874, 6: 145. ♀. [key, o.d., Que. (type lost)]

*Campoplex laticinctus* Provancher, Nat. Canad., 1879, 11: 148; (Faune, p. 362). [key, syn., des., fig.]

*Campoplex laticinctus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Campoplex laticinctus* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

*Campoplex laticinctus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 234. [Alaska, Canada, Colo., Kans., Me., N.H., N.Y.]

*Campoplex laticinctus* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Campoplegidea brooksi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 264. ♂, ♀. [key, o.d., Transcona, Man. (C.N.C.), Alta.]

*Campoplegidea laticincta* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Ont., Que., Sask.]

*Campoplegidea* (*Viereckiana*) *laticincta* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

*Viereckiana laticincta* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

*Campoplegidea laticincta* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Campoplegidea laticincta* Walley, Sci. Agr., 1940, 20: 664, 684. ♂, ♀. [key, syn., des., fig., host *a*, Alta., Calif., Colo., Man., Minn., Mont., N.J., N.Y., Ohio, Ont., Ore., Pa., Que., Sask., Vt.]

PHALAENIDAE: *a*, *Heliothis* sp.

**Campoplegidea lobata** Walley

*Campoplegidea lobata* Walley, Sci. Agr., 1940, 20: 668, 713. ♂, ♀. [key, o.d., fig., host *a*, Brome, Que. (C.N.C.) ? B.C., Man., Ont., Va.]

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*Campoplegidea lobata* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10.  
[host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*.

***Campoplegidea luctuosa* (Provancher)**

*Campoplex luctuosus* Provancher, Nat. Canad., 1875, 7: 145. ♀. [o.d., Que. (M.P.Q.)]

*Campoplex luctuosus* Provancher, Nat. Canad., 1879, 11: 147; (Faune, p. 362).  
[key, des.]

*Anisitsia nigerrima* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., Priest Lake, Ida. (U.S.N.M.)] New synonymy.

*Campoplegidea (Viereckiana) luctuosa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

*Campoplegidea (Viereckiana) nigerrima* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

*Campoplegidea nigerrima* Walley, Sci. Agr., 1940, 20: 666, 721. ♀. [key, des., fig., B.C., Calif., Ida.]

*Campoplegidea luctuosa* Walley, Sci. Agr., 1940, 20: 722. ♀. [key, des.]

*Campoplegidea luctuosa* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 9.  
[host a, Canada]

GEOMETRIDAE: a, *Hydriomena divisaria*.

***Campoplegidea magnifica* Walley**

*Campoplegidea magnifica* Walley, Sci. Agr., 1940, 20: 727. ♂, ♀. [key, o.d., Onteora Mt., Greene Co., N.Y. (U.S.N.M.), Ala.]

***Campoplegidea major* (Cresson)**

*Campoplex major* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀.  
[o.d., Vancouver Is., B.C. (A.N.S.P.)]

*Campoplegidea (Viereckiana) totalis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. ♀. [key, o.d., Aylmer, Que. (C.N.C.)]

*Campoplegidea major* Walley, Sci. Agr., 1940, 20: 668, 726. ♂, ♀. [key, syn., des., fig., B.C., Mass., N.M., Que.]

***Campoplegidea minor* (Provancher)**

*Campoplex minor* Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 364). ♀.  
[key, o.d., Que. (M.P.Q.)]

*Campoplegidea minor* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262.  
[key]

*Campoplegidea (Viereckiana) minor* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

*Pseudocasinaria decorata* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 183. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Amorphota pacifica* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184.

♂. [key, o.d., Ottawa, Ont. (C.N.C.)] New synonymy.

*Campoplegidea minor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Campoplegidea minor* Walley, Sci. Agr., 1940, 20: 666, 688. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., Ont., Que., Va.]

*Campoplegidea pacifica* Walley, Sci. Agr., 1940, 20: 689. ♂, ♀. [key, des., Alaska, B.C., Colo., Mont.]

*Campoplegidea mitis* Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., Wright, Que. (C.N.C.), Pa.] New synonymy.

*Campoplegidea maritima* Walley, Sci. Agr., 1940, 20: 689. ♀. [key, o.d., White Pt. Beach, Queens Co., N.S. (C.N.C.), Que.] New synonymy.

***Campoplegidea montrealensis* Viereck**

*Campoplegidea (Viereckiana) montrealensis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Montreal, Que. (C.N.C.)]

*Campoplegidea montrealensis* Walley, Sci. Agr., 1940, 20: 666, 678. ♂, ♀. [key, syn., des., fig., Conn., Me., Man., N.H., N.S., N.Y., Ont., Que., Vt.]

*Campoplegidea montrealensis* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

***Campoplegidea nigr tibialis* Viereck**

*Campoplegidea (Viereckiana) nigr tibialis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 178. ♀. [key, o.d., Victoria, B.C. (C.N.C.)]

*Campoplegidea nigr tibialis* Walley, Sci. Agr., 1940, 20: 679. ♀. [key, des., B.C., Calif., Wash.]

***Campoplegidea nitida* Walley**

*Campoplegidea nitida* Walley, Sci. Agr., 1940, 20: 713. ♂, ♀. [key, o.d., Meadow Valley (4000–5000 ft.), Plumas Co., Calif. (U.S.N.M.)]

***Campoplegidea obesa* (Davis) new combination**

*Zachrasta* (!) *obesa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]

***Campoplegidea ocellata* Walley**

*Campoplegidea ocellata* Walley, Sci. Agr., 1940, 20: 718. ♀. [key, o.d., Victoria, Tex. (U.S.N.M.)]

***Campoplegidea occidentalis* (Davis)**

*Campoplex occidentalis* Davis, Trans. Amer. Ent. Soc., 1898, 14: 361. ♂, ♀. [o.d., Seattle, Wash. (A.N.S.P.)]

*Campoplegidea occidentalis* Walley, Sci. Agr., 1940, 20: 698. ♀. [key, des., B.C.]

**Campoplegidea pallescens** Walley

*Campoplegidea pallescens* Walley, Sci. Agr., 1940, 20: 722. ♀. [key, o.d., Ga. (U.S.N.M.)]

**Campoplegidea pectoralis** Walley

*Campoplegidea pectoralis* Walley, Sci. Agr., 1940, 20: 668, 686. ♀. [key, o.d., fig., Lac Mercier, Que. (C.N.C.), Alta., Ont., Sask.]

**Campoplegidea pilosa** Walley

*Campoplegidea pilosa* Walley, Sci. Agr., 1940, 20: 733. ♂, ♀. [key, o.d., Cultus Lake, B.C. (C.N.C.), Calif., Colo., Ore.]

**Campoplegidea planata** Viereck

*Campoplegidea planata* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 267. ♀. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Campoplegidea planata* Walley, Sci. Agr., 1940, 20: 675. ♂, ♀. [key, Ill., Md., N.Y., Ont., Que.]

**Campoplegidea pulchella** Walley

*Campoplegidea pulchella* Walley, Sci. Agr., 1940, 20: 717. ♂, ♀. [key, o.d., Argus Mts., Calif. (U.S.N.M.), Ariz., Ut.]

**Campoplegidea quebecensis** Walley

*Campoplegidea quebecensis* Walley, Sci. Agr., 1940, 20: 666, 731. ♀. [key, o.d., fig., host a, Knowlton, Que. (C.N.C.), Mass.]

PHALAENIDAE: a, *Bapta semiclarata*.

**Campoplegidea relecta** (Davis) new combination

*Campoplex relectum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Franconia, N.H. (A.N.S.P.)]

*Campoplegidea egregiata* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♀. [key, o.d., Sidney, B.C. (C.N.C.)] New synonymy.

*Campoplegidea egregiata* Walley, Sci. Agr., 1940, 20: 677. ♀. [key]

*Campoplegidea vicina* Walley, Sci. Agr., 1940, 60: 695. [syn. (in part)]

**Campoplegidea robusta** Walley

*Campoplegidea robusta* Walley, Sci. Agr., 1940, 20: 725. ♂, ♀. [key, o.d., Hocking Co., Ohio (U.S.N.M.), N.J., Pa.]

**Campoplegidea rotunda** Walley

*Campoplegidea rotunda* Walley, Sci. Agr., 1940, 20: 697. ♀. [key, o.d., Baddeck, N.S. (C.N.C.)]

**Campoplegidea rufescens** Walley

*Campoplegidea rufescens* Walley, Sci. Agr., 1940, 20: 668, 720. ♂, ♀. [key, o.d., fig., Cabin John, Md. (U.S.N.M.), D.C., Ia., Kans., N.J., Pa., Va., W.Va.]

**Campoplegidea rufigaster** Walley

*Campoplegidea rufigaster* Walley, Sci. Agr., 1940, 20: 705. ♀. [key, o.d., Hampton, N.H. (U.S.N.M.), Md., Pa.]

**Campoplegidea scalaria** (Provancher)

*Campoplex scularius* Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♀, (♂ misdetermined). [o.d., Cap Rouge, Que. (M.P.Q.)]

*Campoplex scularius* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Pseudocasinaria scularius* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

*Campoplegidea scalaris* (!) Walley, Sci. Agr., 1940, 20: 707. ♂, ♀. [key, des., Alta., Que.]

**Campoplegidea seamansi** Viereck

*Campoplegidea edmontensis* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 266. ♂. [key, o.d., Edmonton, Alta. (C.N.C.)]

*Campoplegidea seamansi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 268. ♀. [key, o.d., Waterton, Alta. (C.N.C.)]

*Amorphota bicoloripes* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 184. ♀. [key, o.d., host *a*, Aweme, Man. (C.N.C.)] New synonymy.

*Campoplegidea seamansi* Walley, Sci. Agr., 1940, 20: 666, 696. ♂, ♀. [key, syn., des., fig., Alta., B.C., Colo.]

*Campoplegidea bicoloripes* Walley, Sci. Agr., 1940, 20: 697. ♀. [key, des.]

TORTRICIDAE: *a*, *Archips conflictana*.

**Campoplegidea semirufa** (Provancher)

*Campoplex semirufus* Provancher, Nat. Canad., 1882, 13: 364; (Faune, p. 786). ♀. [o.d., Chicoutimi, Que. (C.N.C.)]

*Campoplex semirufus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 84. ♂. [des., Ont.]

*Campoplex semirufus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

*Campoplegidea okanaganensis* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♀. [key, o.d., Okanagan, B.C. (C.N.C.), Man.]

*Campoplegidea* (*Viereckiana*) *semirufa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 174. [key]

*Campoplegidea semirufa* Walley, Sci. Agr., 1940, 20: 664, 675. ♀. [key, syn., des., fig., host *a*, B.C., Colo., N.Y., Que., Vt.]

NOTODONTIDAE: *a*, *Pheosia rimosa*.

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**Campoplegidea signata** Viereck

*Campoplegidea signata* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. ♂, ♀. [key, o.d., Sudbury, Ont. (C.N.C.), Man.]

*Campoplegidea signata* Walley, Sci. Agr., 1940, 20: 667. ♂, ♀. [key, des., host a, B.C.?, Man., N.B., Que., Ont., Sask.]

*Campoplegidea signata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

PHALAENIDAE: a, phalaenid.

**Campoplegidea simulans** Walley

*Campoplegidea simulans* Walley, Sci. Agr., 1940, 20: 708. ♀. [key, o.d., Rutherford, N.J. (U.S.N.M.)]

**Campoplegidea stricklandi** Viereck

*Campoplegidea stricklandi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 269. ♂. [key, o.d., Waterton, Alta. (C.N.C.)]

*Campoplegidea stricklandi* Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

**Campoplegidea subtilis** Viereck

*Campoplegidea (Viereckiana) subtilis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 176. ♀. [key, o.d., Banff, Alta. (C.N.C.)]

*Campoplegidea subtilis* Walley, Sci. Agr., 1940, 20: 690. ♀. [key, des.]

**Campoplegidea texana** (Ashmead) new combination

*Casinaria texana* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 427. ♀. [o.d., Tex. (U.S.N.M.)]

*Campoplegidea texana* Walley, Sci. Agr., 1940, 20: 706. ♂, ♀. [key, syn., des., Guatemala, Kans., Tex. (synonymy erroneous)]

**Campoplegidea townsendi** Walley

*Campoplegidea townsendi* Walley, Sci. Agr., 1940, 20: 703. ♂, ♀. [key, o.d., South Fork, Eagle Cr., White Mts., N.M. (U.S.N.M.)]

**Campoplegidea tumida** Walley

*Campoplegidea tumida* Walley, Sci. Agr., 1940, 20: 664, 666, 716. ♀. [key, o.d., fig., Corvallis, Ore. (U.S.N.M.)]

**Campoplegidea turmalis** Walley

*Campoplegidea turmalis* Walley, Sci. Agr., 1940, 20: 711. ♀. [key, o.d., Devils River, Tex. (U.S.N.M.)]

**Campoplegidea vara** Walley

*Campoplegidea vara* Walley, Sci. Agr., 1940, 20: 663, 664, 668. ♂, ♀. [key, o.d., fig., Baddeck, N.S. (C.N.C.), Conn., N.J., Ont., Pa., Que.]

**Campoplegidea variabilis** (Franklin)

*Campoplex variabilis* Franklin, Ent. News, 1915, 26: 356. ♀. [o.d., biol., host a, Wareham, Mass. (Mass. State College)]

*Campoplegidea variabilis* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

*Campoplegidea variabilis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

*Campoplegidea variabilis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host b, Me.]

*Campoplegidea variabilis* Walley, Sci. Agr., 1940, 20: 681. ♂, ♀. [key, des., N.S., Que.]

GEOMETRIDAE: a, *Ematurga amitaria*; b, *Synchlora rubrifrontaria*.

**Campoplegidea varicoxa** Viereck

*Campoplegidea* (*Viereckiana*) *varicoxa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 180. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

*Campoplegidea* (*Viereckiana*) *reticulata* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 181. ♂. [key, o.d., Royal Oak, B.C. (C.N.C.)]

*Pseudocasinarina paenealia* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. ♂. [key, o.d., Sudbury, Ont. (C.N.C.)]

*Campoplegidea varicoxa* Walley, Sci. Agr., 1940, 20: 666, 683. ♂, ♀. [key, syn., des., fig., Alta., B.C., Md., N.H., Ont., Pa., Que.]

**Campoplegidea vibecifera** Viereck

*Campoplegidea vibecifera* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 270. ♂. [key, o.d., Ottawa, Ont. (C.N.C.)]

*Campoplegidea vibecifera* Walley, Sci. Agr., 1940, 20: 677. ♂. [key, des.]

**Campoplegidea vicina** (Provancher)

*Campoplex vicinus* Provancher, Nat. Canad., 1874, 6: 145. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Campoplex vicinus* Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des.]

*Campoplex vicinus* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Campoplex vicinus* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Pseudocasinarina vicina* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 182. [key]

*Campoplegidea vicina* Walley, Sci. Agr., 1940, 20: 695. ♂, ♀. [key, syn. (in part), des., host b, Ont., Que.]

*Campoplegidea vicina* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 10. [host a, Canada]

GEOMETRIDAE: a, *Semiothisa granitata*; b, *Semiothisa sexmaculata*.

**Campoplegidea villosa** (Norton)

*Campoplex villosus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♂, ♀. [o.d., Conn., Albany, N.Y. (Yale Univ.)]

*Campoplex villosus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 182. [Kans.]

*Campoplex villosus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

*Campoplex villosus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [N.J.]

*Anisitsia villosus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

*Casinaria (Viereckiana) villosa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 272. ♂, ♀. [des., Conn.]

*Campoplegidea villosa* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

*Campoplegidea (Viereckiana) villosa* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

*Viereckiana villosa* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]

*Viereckiana villosa* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Viereckiana villosa* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 103. [Alta.]

*Viereckiana villosa* Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

*Viereckiana villosa* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

*Viereckiana villosus* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

*Campoplegidea villosa* Walley, Sci. Agr., 1940, 20: 723. ♂, ♀. [key, des., B.C., Md., Man., N.J., N.M., Ore., Pa., Que., Va., W.Va.]

*Campoplegidea villosa* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Campoplegidea vitticollis** (Norton)

*Ophion vitticollis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

*Campoplex vitticollis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 365. ♀. [o.d., Conn. (Yale Univ.), Md.]

*Campoplex vitticollis* Provancher, Nat. Canad., 1879, 11: 149; (Faune, p. 364). [key, des., Que.]

*Campoplex vitticollis* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Anisitsia vitticollis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 632. [syn.]

*Campoplex vitticollis* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]

*Casinaria (Viereckiana) vitticollis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 271. ♀. [des., Conn.]

*Campoplex vitticollis*(!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

*Campoplegidea (Viereckiana) vitticollis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 173. [key]

*Viereckiana vitticollis* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Viereckiana vitticollis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131. [Me.]



*Viereckiana vitticollis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Viereckiana vitticollis* Viereck, Bull. N.Y. State Mus., 1928, 274: 183. [N.Y.]

*Campoplegidea vitticollis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 149. [biol., host *a b*, Mass., N.J., N.Y.]

*Viereckiana vitticollis* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

*Campoplegidea vitticollis* Walley, Sci. Agr., 1940, 20: 732. ♂, ♀. [key, des., B.C., N.M., "common in northeastern U. S. and adjoining canadian provinces"]

GEOMETRIDAE: *a*, *Phigalea titea*. LASIOCAMPIDAE: *b*, *Malacosoma disstria*.

### **Campoplegidea woodi** Viereck

*Campoplegidea (Viereckiana) woodi* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♂. [key, o.d., Coldstream, Ont. (C.N.C.)]

*Campoplegidea (Viereckiana) erythrosoma* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 177. ♀. [key, o.d., Montreal, Que. (C.N.C.), Ont.]

*Campoplegidea woodi* Walley, Sci. Agr., 1940, 20: 700. ♂, ♀. [key, syn., des., Md., Ohio, Ont., Pa., Que., Va.]

### **Campoplegidea wyomingensis** Viereck

*Campoplex wyomingensis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 242. ♂. [o.d., near Lander, Wyo. (Univ. Kans.)]

*Campoplegidea wyomingensis* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Sask.]

*Campoplegidea wyomingensis* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 261. [key]

*Campoplegidea walleyi* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 271. ♀. [key, o.d., Covey Hill., Que. (C.N.C.), Alta., Ont.]

*Campoplegidea diversa* Walley, Sci. Agr., 1940, 20: 669. ♂, ♀. [key, syn., des., Alta., B.C., Man., N.B., N.S., Ont., Que., Sask.] In part.

## **NEPIERA** Foerster

*Nepiera* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Limneria concinna* Holmgren.

### **Nepiera basilaris** (Provancher) new combination

*Limneria basilaris* Provancher, Nat. Canad., 1875, 7: 147, 149. ♂. [key, o.d., Que. (M.P.Q.)]

*Limneria basilaris* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). ♂. [key, des.]

*Limneria basilaris* (!) Provancher, Nat. Canad., 1882, 13: 364; (Faune p. 786). ♀. [des.]

*Limneria basilaris* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

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*Limnerium basilare* Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

*Campoplex (Hyposoter) basilaris* Viereck, Canad. Ent., 1925, 57: 203. [key]; 1926, 58: 222. [syn.]

***Nepiera benevola* Gahan**

*Nepiera benevola* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 157. ♂, ♀. [o.d., host *a*, Salt Lake, Utah (U.S.N.M.)]

*Nepiera benevola* Essig, Insects of Western N. Amer., 1926, p. 792. [Calif.]

*Nepiera benevola* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *a*, Ut.]

*Nepiera* (!) *benevola* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PIERIDAE: *a*, *Colias notatus eurytheme*.

***Nepiera curticauda* (Viereck) new combination**

*Campoplex (Diadegma) curticauda* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 280. ♀. [des., Oliver, B.C. (C.N.C.)]

***Nepiera fuscifemora* Graf, new combination**

*Nepiera benevola* var. *fuscifemora* Graf, Bull. U. S. Dept. Agr., Feb. 6, 1917, 427: 46. ♀. [o.d. as a fig., biol., host *a*, Southern Calif. (type lost?)]

*Nepiera benevola* var. *fuscifemora* Gahan, Proc. U. S. Nat. Mus., May 26, 1917, 53: 208. ♂, ♀. [o.d., host *a*, Pasadena, Calif. (U.S.N.M.)] New synonymy.

GELECHIIDAE: *a*, *Gnorimoschema operculella*.

***Nepiera marginata* (Provancher) new combination**

*Campoplex marginatus* Provancher, Nat. Canad., 1874, 6: 146. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria marginata* Provancher, Nat. Canad., 1879, 11: 178; (Faune, p. 370). [key, des.]

*Limneria marginata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86. [key]

*Limneria brevicauda* Provancher, Addit. Faune Canada, Hymén., 1886, p. 88. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)] New synonymy.

*Limnerium brevicaudum* Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

*Limnerium marginatum* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

*Limneria marginata* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Campoplex (Ameloctonus) intimus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Montreal, Que. (C.N.C.), Ont.] New synonymy.

*Campoplex (Ameloctonus) brevicauda* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

*Limneria marginata* Brimley, Suppl. Insects of N.C., 1942, p. 31. [N.C.]

**Nepiera oblonga** (Viereck) new combination

*Campoplex* (*Ameloctonus*) *oblongus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 260. ♀. [des., Orillia, Ont. (C.N.C.)]

**Nepiera unica** (Viereck) new combination

*Angitia* (*Diocles*) *unicus* Viereck, Canad. Ent., 1926, 58: 182. ♂. [o.d., Ottawa, Ont. (C.N.C.)]

**PHOBOCAMPE** Foerster

*Hypothereutes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

New synonymy.

Genotype: *Hypothereutes geometrae* Ashmead.

*Phobocampe* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Campoplex crassiusculus* Gravenhorst.

*Phobocampa* Thomson, Opusc. Ent., 1887, 11: 1120.

Genotype: *Campoplex crassiusculus* Gravenhorst.

**Phobocampe certa** (Viereck) new combination

*Campoplex* (*Ameloctonus*) *certus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Ottawa, Ont. (C.N.C.)]

*Campoplex* (*Ameloctonus*) *congeneris* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 259. ♀. [des., Agassiz, B.C. (C.N.C.)] New synonymy.

**Phobocampe clisiocampae** (Weed) new combination

*Ameloctonus clisiocampae* Weed, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 230. ♂, ♀. [o.d., host *b*, N.H. (N.H. College Agr. Exp. Sta.; cotypes in U.S.N.M. not found)]

*Ameloctonus clisiocampae* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 198, 206–208, 223, 226. [fig., biol., host *d*, parasite *a b c*, N.H.]

*Limnerium clisiocampae* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 143, 192. [biol., host *f*, N.H.]

*Campoplex* (*Ameloctonus*) *clisiocampae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [key, des., Conn.]

*Ameloctonus clisiocampae* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Campoplex* (*Ameloctonus*) *clisiocampae* Viereck, Canad. Ent., 1925, 57: 223. [key]

*Hyposoter clisiocampae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *f*, N.Y.]

*Hyposoter clisiocampae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a b c e g h*, Conn., Me., Mass., N.H., N.J., N.Y.]

GEOMETRIDAE: a, *Alsophila pometaria*. LASIOCAMPIDAE: b, *Malacosoma americanum*; c, *Malacosoma disstria*; d, *Malacosoma* sp. LYMANTRIIDAE: e, *Hemerocampa leucostigma*; f, *Nygmia phaeorrhoea*. NOTODONTIDAE: g, *Datana perspicua*; h, *Schizura concinna*.

Parasites. ICHNEUMONIDAE: a, *Itoplectis conquisitor*. CHALCIDIDAE: b, *Dibrachys cavus*; c, *Pteromalus puparium*.

**Phobocampe disparis** (Viereck) new combination

*Hyposoter disparis* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 478. ♂, ♀. [o.d., (Kiev, Russia) (U.S.N.M.)]

*Limnerium disparis* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 191. [fig., biol., host a, Japan, Russia]

*Limnerium disparidis* (!) Howard, Ann. Rpt. Mass. State Forester, 1913, 10: 84. [host a, Mass.]

*Limnerium disparidis* (!) Howard, Ann. Ent. Soc. Amer., 1914, 7: 87. [Mass.]

*Hyposoter disparis* Burgess and Crossman, Tech. Bull. U. S. Dept. Agr., 1929, 86: 49–54. [fig., biol., host a, Italy, Mass., Russia]

*Hyposoter disparis* Muesebeck and Parker, Jour. Agr. Res., 1933, 46: 335–347. [des., fig., biol., host a, parasites, Europe, Mass., N.H.]

LYMANTRIIDAE: a, *Porthetria dispar*.

**Phobocampe elyi** (Viereck) new combination

*Hypothereutes elyi* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., East River, Conn. (U.S.N.M.)]

*Campoplex (Hypothereutes) elyi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. [key]

*Campoplex (Hypothereutes) elyi* Viereck, Canad. Ent., 1925, 57: 204. [key]

**Phobocampe flavipes** (Provancher) new combination

*Limneria flavipes* Provancher, Nat. Canad., 1874, 6: 148. ♂. [key, o.d., Que. (M.P.Q.)]

*Limneria flavipes* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Limneria flavipes* Provancher, Nat. Canad., 1879, 11: 179; (Faune, p. 371). [key, des.]

*Limneria flavipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

*Limnerium flavipes* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Campoplex (Hypothereutes) acceptus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., Winnipeg, Man. (C.N.C.), N.H., Ont.] New synonymy.

*Idechthis flavipes* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect. 5: 185. [key]

*Hyposoter flavipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b c, Mass., N.Y.]

GEOMETRIDAE: a, *Ennomos subsignarius*; b, *Erannis tiliaria*; c, *Phigalia titea*.

**Phobocampe geometrae** (Ashmead) new combination

*Hypothereutes geometrae* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, Mass.]

*Hypothereutes geometrae* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 167. ♂. [o.d., host *a*, Arlington, Mass. (U.S.N.M.)]

*Campoplex angustus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Que.]

*Campoplex* (*Hypothereutes*) *concisus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♂, ♀. [des., Aylmer, Que. (C.N.C.)] New synonymy.

*Campoplex* (*Ischnoscopus*) *largo* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Royal Oak, B.C. (C.N.C.)] New synonymy.

*Campoplex* (*Ischnoscopus*) *angustus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 198. ♀. [des., Alymer, Que. (C.N.C.)] New synonymy.

*Hyposoter geometrae* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Hyposoter geometrae* Viereck, Bull. N.Y. State Mus., 1928, 274: 184. [N.Y.]

*Hyposoter geometrae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 928, 955. [parasite *a*, N.Y.]

*Hyposoter geometrae* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

GEOMETRIDAE: *a*, geometrid on *Betula alba*.

Parasite. ICHNEUMONIDAE: *a*, *Bathythrix triangularis*.

**Phobocampe pallida** (Cushman) new combination

*Callidora pallida* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. ♀. [o.d., Montgomery Co., Pa. (U.S.N.M.)]

**Phobocampe pallipes** (Provancher) new combination

*Limneria pallipes* Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria pallipes* Provancher, Nat. Canad., 1879, 11: 180; (Faune, p. 372). ♂, ♀. [key, des.]

*Limneria pallipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. [key]

*Limneria pallipes* Howard, Insect Life, 1892, 4: 254. [host *c*, parasite *a*, D.C.]

*Limnerium pallidipes* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

*Campoplex* (*Ameloctonus*) *pallipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

*Campoplex* (*Limneria*) *pallipes* Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 323. [host *c*]

*Campoplex* (*Ameloctonus*) *pallipes* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]

*Campoplex* (*Campoplex*) *arcanus* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 146. ♀. [des., Caradoc, Ont. (C.N.C.)] New synonymy.

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*Hyposoter pallipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]

*Hyposoter pallipes* Balch, Jour. Econ. Ent., 1932, 25: 1147. [host a]

*Hyposoter pallipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host a b, Mass., N.J.]

*Hyposoter pallipes* Brown, Tech. Bull. Canada Dept. Agr., 1941, 31: 8. [host b, Canada]

LYMANTRIIDAE: a, *Hemerocampa pseudotsugata*; b, *Notolophus antiquus*. ARCTIIDAE: c, *Hyphantria cunea*.

Parasite. CHALCIDIDAE: a, *Elasmus atratus*.

**Phobocampe vernalis** (Viereck) new combination

*Campoplex (Hypothereutes) vernalis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 264. (♀). [o.d. in key, New Haven, Conn. (Conn. Agr. Exp. Sta.)]

*Campoplex (Hypothereutes) vernalis* Viereck, Canad. Ent., 1925, 57: 204. [key]

*Campoplex (Hyposoter) stenus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♂. [des., Hull, Que. (C.N.C.)] New synonymy.

*Campoplex (Ameloctonus) speciosus* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 257. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

*Campoplex (Ameloctonus) vernalis* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 257. [syn.]

**HOROGENES** Foerster

*Angitia* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 327. Pre-occupied by Walker, 1858.

Genotype: *Angitia glabricula* Holmgren.

*Horogenes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium (Horogenes) discoocellellae* Viereck.

*Diocetes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. Pre-occupied by Ménétriés, 1849 and by Reichenbach, 1850.

Genotype: *Campoplex exareolatus* Ratzeburg.

*Diadegma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153. New synonymy.

Genotype: *Campoplex crassicornis* Gravenhorst.

*Enytus* Cameron, Invert. Pacifica, 1905, 1: 132.

Genotype: (*Enytus maculipes* Cameron) = *eureka* Ashmead.

*Nothanomaloides* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 272. New synonymy.

Genotype: *Nothanomaloides stenosomus* Viereck.

*Inareolata* Ellinger and Sachtleben, Sci. Rpt. Internat. Corn Borer Invest., 1927-28, p. 117. New name for *Diocetes* Foerster.

**Horogenes acronyctae** (Ashmead) new combination

*Limneria acronyctae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 194. ♂.  
[key, o.d., host *a*, no locality given (U.S.N.M.)]

*Limnerium acronyctae* Dalla Torre, Cat. Hymen., 1901, 3: 89. [syn.]

*Campoplex* (*Ameloctonus*) *acronyctae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key]

PHALAEINIDAE: *a*, *Acronicta oblinita*.

**Horogenes acutus** (Viereck) new combination

*Campoplex* (*Hyposoter*) *acutus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Oliver, B.C. (C.N.C.)]

*Campoplex* (*Hyposoter*) *vancouverensis* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., Vancouver, B.C. (C.N.C.)] New synonymy.

*Angitia platyptiliae* Cushman, Pan-Pacific Ent., 1939, 15: 183. ♂, ♀. [o.d., host *a*, Half Moon Bay, Calif. (U.S.N.M.)] New synonymy.

*Angitia platyptiliae* Lange, Bull. Calif. Agr. Exp. Sta., 1941, 653: 22, 67. [des., fig., biol., host *a b c*, Calif.]

PTEROPHORIDAE: *a*, *Platyptilia carduidactyla*. PYRAUSTIDAE: *b*, *Phlyctaenia rubigalis*; *c*, *Pyrausta subsequalis*.

**Horogenes aestivalis** (Viereck) new combination

*Angitia aestivalis* Viereck, Psyche, 1921, 28: 71. ♀. [o.d., Falls Church, Va. (M.C.Z.)]

*Campoplex* (*Angitia*) *aestivalis* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Angitia aestivalis* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [host *a*, Me.]

COLEOPHORIDAE: *a*, *Coleophora* sp. on *Ribes* sp.

**Horogenes albertae** (Walley) new combination

*Angitia albertae* Walley, Canad. Ent., 1929, 61: 191, 193. ♀. [key, o.d., Slave Lake, Alta. (C.N.C.)]

**Horogenes albipes** (Provancher) new combination

*Porizon albipes* Provancher, Addit. Faune Canada, Hymén., 1888, p. 364. ♀.  
[o.d., Cap Rouge, Que. (M.P.Q.)]

*Campoplex* (*Nemeritis*) *ocellatus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., Aylmer, Que. (C.N.C.)] New synonymy.

**Horogenes alticola** (Cushman) new combination

*Zaporus alticola* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Diectes alticola* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 11. ♀.  
[syn., o.d., Mt. Washington, N.H. (U.S.N.M.)]

*Campoplex* (*Diectes*) *alticola* Viereck, Canad. Ent., 1925, 57: 227. [key]

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**Horogenes annulipes** (Ashmead) new combination

*Hypothereutes annulipes* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 236. ♀.  
[o.d., Alaska (U.S.N.M.)]

*Campoplex* (*Ameloctonus*) *taeniopus* Viereck, Canad. Ent., 1925, 57: 224. [key,  
new name for *Hypothereutes annulipes* Ashmead]

**Horogenes antennaellae** (Walley) new combination

*Campoplex* (*Angitia*) *antennaellae* Walley, Canad. Ent., 1932, 64: 182. ♀  
(only). [o.d., host *a*, Bobcaygeon, Ont. (C.N.C.)] The male described is a  
species of *Campoplex*.

COLEOPHORIDAE: *a*, *Coleophora occidentis*.

**Horogenes buckelli** (Viereck) new combination

*Campoctonoides buckelli* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];  
57: 296. ♀. [des., Nicola, B.C. (C.N.C.)]

**Horogenes cacoeciae** (Viereck) new combination

*Campoplex* (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1924, 56: 67. ♀. [o.d.,  
host *a*, Vernon, B.C. (C.N.C.)]

*Campoplex* (*Angitia*) *cacoeciae* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Angitia cacoeciae* Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

**Horogenes combinatus** (Holmgren) new combination

*Limneria combinata* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2, pt. 2: 62.  
♂, ♀. [o.d., Ilstorp, Scania and Hvitsand, Vermland in Sweden (?Stock-  
holm Mus.)]

*Angitia combinata* Thomson, Opusc. Ent., 1887, 11: 1162. [des., Europe]

*Angitia combinata* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 11. ♀.  
[des., Greenland]

**Horogenes compressus** (Cresson) new combination

*Mesoleptus compressus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♂. [o.d.,  
Pa. (A.N.S.P.)]

*Limneria ferrugineipes* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 432. ♂.  
[key, o.d., Tex. (U.S.N.M.)] New synonymy.

*Casinaria compressa* Riley and Howard, Insect Life, 1890, 3: 157. [host *i*,  
Ohio]

*Limneria ferrugineipes* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30:  
7. [des., biol., host *h*, S.D.]

*Limnerium ferrugineipes* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Limneria compressa* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Idecthis* (!) *paenerivalis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 216. ♂, ♀.  
[o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.



- Omorgus ferrugineipes* Cushman, Proc. Ent. Soc. Wash., 1915, 17: 138. ♂, ♀. [key, des., host g, Pa.]
- Campoplex* (*Angitia*) *oedemisiformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., East Hartford, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.
- Campoplex* (*Angitia*) *ruficoxa* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [key, Conn.] Misdetermination of *Limneria ruficoxa* Prov.
- Campoplex* (*Ecphora*) *oedemisiformis* Viereck, Canad. Ent., 1925, 57: 202. [key]
- Campoplex* (*Ischnoscopus*) *paenerivalis* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 199. [key, syn.]
- Campoplex* (*Campoplex*) *ruficoxalis* Viereck, Canad. Ent., 1925, 57: 226. [o.d. in key]; 1926, 58: 144. ♂. [des.]; 58: 176. [syn., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New name for *Campoplex* (*Angitia*) *ruficoxa* Viereck, 1917 not Provancher. New synonymy.
- Campoplex* (*Angitia*) *oedemisiformis* Viereck, Canad. Ent., 1925, 57: 228. [key]
- Campoplex ferrugineipes* Schott, Jour. N.Y. Ent. Soc., 1925, 33: 55. [host d, N.J.]
- Campoplex ferrugineipes* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Campoplex ferrugineipes* Underhill, Bull. Va. Agr. Exp. Sta., 1926, 251: 16-17. [fig., host c, Va.]
- Campoplex ferrugineipes* Poos and Peters, Bull. Va. Truck Exp. Sta., 1927, 61: 621, 622. [host b c, Va.]
- Campoplex ferrugineipes* Poos, Proc. Ent. Soc. Wash., 1928, 30: 147, 149. [host c, Va.]
- Campoplex ferrugineipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]
- Campoplex ferrugineipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Angitia oedemisiformis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Angitia ferrugineipes* Nelson, Jour. Econ. Ent., 1936, 29: 312. [host e, Va.]
- Angitia ferrugineipes* Thomas, Jour. Econ. Ent., 1936, 29: 315. [host c, Pa.]
- Angitia ferrugineipes* Thomas, Bull. Pa. State Col., 1936, 337: 9. [host a, Pa.]
- Angitia paenerivalis* Beckwith, Jour. Econ. Ent., 1938, 31: 255. [host e, N.J.]
- Angitia paenerivalis* Cushman, Pan-Pacific Ent., 1939, 15: 185. [syn.]

GELECHIIDAE: a, *Keiferia lycopersicella*; b, *Keiferia glochinella*; c, *Gnorimoschema operculella*. TORTRICIDAE: d, *Amelia pallorana*; e, *Platynota stultana*; f, *Sparganothis sulfureana*. OLETHREUTIDAE: g, *Polychrosis viteana*. CIMBICIDAE: h, *Cimbex americana*. Miscellaneous: i, lepidopterous larva.

**Horogenes comptoniellae** (Viereck) new combination

*Campoplex (Hyposoter) comptoniellae* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♂, ♀. [des., host *d e*, Wakefield, Que. (C.N.C.)]

*Campoplex digitatus* Cushman, Proc. U. S. Nat. Mus., 1926, 67, art. 23: 11. ♂, ♀. [o.d., host *a b c*, Newington, N.H. (U.S.N.M.), Mass., R.I.] New synonymy.

GELECHIIDAE: *a*, *Aroga trialbamaculata*. TORTRICIDAE: *b*, *Peronea fragariana*. PHYCITIDAE: *c*, *Acrobasis caryivorella*; *d*, *Acrobasis comptoniella*; *e*, *Acrobasis rubrifasciella*.

**Horogenes conodor** (Viereck) new combination

*Campoplex (Nemeritis) conodor* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key, (Sudbury, Ont.) (C.N.C.)]

*Campoplex (Nemeritis) concolor* (!) Viereck, Canad. Ent., 1926, 58: 179. ♀. [des., Ont.]

**Horogenes discoocellellae** (Viereck)

*Limnerium (Horogenes) discoocellellae* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 404. ♀. [o.d., host *a*, Washington, D.C. (U.S.N.M.)]

*Angitia discoocellellae* Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *b*, Mich.]

*Angitia discoocellellae* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

GELECHIIDAE: *a*, *Chionodes violaceofusca*; *b*, *Filatima persicaeella*.

**Horogenes eureka** (Ashmead) new combination

*Limneria eureka* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂. [key, o.d., Los Angeles, Calif. (U.S.N.M.)]

*Limnerium eureka* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Enytus maculipes* Cameron, Invertebrata Pacifica, 1903, 1: 132. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)] New synonymy.

*Dioctes maculipes* Morley, Ann. Mag. Nat. Hist., 1914, (8) 14: 409. [syn.]

*Angitia maculipes* Morley, Ann. Mag. Nat. Hist., 1915, (8) 16: 340. [syn.]

*Campoplex (Dioctes) eureka* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

*Campoplex (Dioctes) rosaceanae* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 181. ♀. [des., host *a*, Vernon, B.C. (C.N.C.)] New synonymy.

*Campoplex (Dioctes) maculipes* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

*Campoplex eureka* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [B.C.]

*Dioctes eureka* Basinger, Monthly Bull. Calif. Dept. Agr., 1935, 24: 233. [host *b*, Calif.]

*Diocles eureka* Edwards and Mote, Jour. Econ. Ent., 1936, 29: 1123. [host *c*, Ore.]

TORTRICIDAE: a, *Archips rosaceana*; b, *Argyrotaenia citrana*; c, *Cnephasia longana*.

**Horogenes exareolatus** (Ratzeburg) new combination

*Campoplex exareolata* Ratzeburg, Ichneum. d. Forstins., 1852, 3: 89. ♂, ♀.  
[o.d., host Germany (? Forstliche Hochschule, Eberswalde, Germany)]

*Angitia exareolata* Thomson, Opusc. Ent., 1887, 11: 1163. [des., Europe]

*Limneria exareolata* Lundbeck, Vidensk. Medd. Nat. For. København, (1896).  
1897, p. 238. [Greenland]

**Horogenes fenestralis** (Holmgren) new combination

*Limneria fenestralis* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, pt. 2: 59.  
♂, ♀. [o.d., Sweden (? Stockholm Mus.)]

*Angitia fenestralis* Thomson, Opusc. Ent., 1887, 11: 1156. ♂, ♀. [des., host,  
Europe]

*Angitia fenestralis* Walley, Canad. Ent., 1929, 61: 193. [key, Ont.]

*Angitia fenestralis* Peck, Canad. Jour. Res., 1937, D, 15: 239, 240, 244. [fig.,  
morphology]

**Horogenes galleriae** (Cushman) new combination

*Angitia galleriae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 266. ♂, ♀.  
[o.d., host *a*, Lansing, Mich. (U.S.N.M.)]

*Campoplex (Angitia) galleriae* Viereck, Canad. Ent., 1925, 57: 227. [key]

GALLERIIDAE: a, *Galleria mellonella*.

**Horogenes groenlandicus** (Roman) new combination

*Anilasta groenlandica* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 11. ♀.  
[o.d., Eidi, Greenland (Stockholm Mus.)]

*Anilastus groenlandicus* Hendriksen and Lundbeck, Meddel. om Grønland,  
1918, 22: 538. [syn.]

*Angitia groenlandica* Roman, Ann. Mag. Nat. Hist., 1934, (10) 14: 610. [des.,  
Greenland]

**Horogenes insularis** (Cresson) new combination

*Mesoleptus insularis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 15. ♂. [o.d.,  
Cuba (A.N.S.P.)]

*Limneria polynesialis* Cameron, Trans. Ent. Soc. London, 1883, p. 191. ♀.  
[o.d., Haleakala, 4000 ft., Maui, Hawaii (location of type unknown)]

*Campoplex (Angitia) hellulae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631.  
♀. [o.d., host *b c*, Santa Ana, Calif. (U.S.N.M.)] New synonymy.

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*Angitia polynesiensis* Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn. (in part), des., Hawaii]

*Campoplex (Angitia) hellulae* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Angitia hellulae* Walker and Anderson, Bull. Va. Truck Exp. Sta., 1936, 93: 1382. [biol., host *a*, parasite *a*, Va.]

*Angitia hellulae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

*Angitia hellulae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YPONOMEUTIDAE: *a*, *Plutella maculipennis*; *b*, *Plutella omissa*?. PYRAUSTIDAE: *c*, *Hellula undalis*.

Parasites. CHALCIDIDAE: *a*, *Eupteromalus viridescens*.

### **Horogenes johanseni** (Viereck) new combination

*Campoctonoides johanseni* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♂, ♀. [des., Alright Is., Que. (C.N.C.)]

### **Horogenes kiehtani** (Viereck) new combination

*Campoplex (Angitia) kiehtani* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, host *b*, Woodruff's Storehouse, Orange, Conn. (Conn. Agr. Exp. Sta.)]

*Campoplex (Angitia) woonandi* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d., West Haven, Conn. (Conn. Agr. Exp. Sta.)] New synonymy.

*Campoplex (Hyposoter) petiolatus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Trenton, Ont. (C.N.C.)] New synonymy.

*Campoplex (Hyposoter) curtus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Montreal, Que. (C.N.C.)] New synonymy.

*Campoplex (Hyposoter) triangularis* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

*Campoplex (Diadegma) costata* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in key]; 1926, 58: 279. ♀. [des., Biburn, Hastings Co., Ont. (C.N.C.)] New synonymy.

*Campoplex (Angitia) kiehtani* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Campoplex (Angitia) woonandi* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Campoplex (Eulimneria) bakeri* Viereck, Canad. Ent., 1925, 57: 278. ♀. [o.d., host *c*, St. Anne, Que. (C.N.C.)] New synonymy.

*Campoplex (Ecphora) kiehtani* Viereck, Canad. Ent., 1926, 58: 282. [syn.]

*Angitia incipiens* Walley, Canad. Ent., 1929, 61: 192, 193. ♀. [key, o.d., host *a*, London, Ont. (C.N.C.)] New synonymy.

PHYCITIDAE: *a*, ?*Ephestia kuehniella*; *b*, ?*Plodia interpunctella*. Miscellaneous: *c*, pod borer in *Iris* sp.

### **Horogenes laticeps** (Viereck) new combination

*Campoplex (Hyposoter) laticeps* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Victoria, B.C. (C.N.C.), Alta.]

**Horogenes lyonetae** (Viereck) new combination

*Campoplex* (*Nemeritis*) *lyonetae* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♂. [des., host *a*, Nelson, B.C. (C.N.C.)]

LYONETIDAE: *a*, *Lyonetia speculella*.

**Horogenes minutus** (Viereck) new combination

*Campoplex* (*Hyposoter*) *minutus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 221. ♀. [des., Okanagan Valley, B.C. (C.N.C.)]

*Hyposoter mimulus* (!) Brimley, Suppl. Insects of N.C., 1942, 31. [N.C.]

**Horogenes molestae** (Uchida) new combination

*Diocetes molestae* Uchida, Jour. Wash. Acad. Sci., 1933, 23: 148. ♀. [o.d., fig., host *a*, Japan (? Hokkaido Imp. Univ.)]

*Angitia* (*Diocetes*) *molestae* Neave, Rev. Appl. Ent., 1934, 22: 354. [syn.]

*Diocetes molestae* Garman, Bull. Conn. Agr. Exp. Sta., 1938, 408: 223, 224. [biol., host *a*, Conn.]

*Diocetes molestae* Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 16-17, 51-52. [host *a*, Va.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

**Horogenes montanus** (Ashmead) new combination

*Ischnocerus montanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀. [o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

*Campoplex* (*Diocetes*) *montanus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]

**Horogenes obliteratus** (Cresson) new combination

*Mesoleptus obliteratus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 260. ♀. [o.d., Ill. (A.N.S.P.)]

*Limneria obliterata* Cresson, Synops. Hymen. N. Amer., 1887, p. 204. [syn.]

*Limneria elegans* Weed, Bull. Ill. State Lab. Nat. Hist., 1887, 3: 40. ♀. [o.d., host *i*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)] New synonymy.

*Limneria obliterata* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

*Limneria salicicola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♀. [key, o.d., host *g*, London, Ont. (U.S.N.M.)] New synonymy.

*Limneria salicicola* Riley and Howard, Insect Life, 1890, 3: 158. [Tex.]

*Limneria obliterata* Riley and Howard, Insect Life, 1890, 3: 158. [host *e*, Mo.]

*Limneria salicicola* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Limnerium obliteratum* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

*Limnerium elegans* Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

*Limnerium salicicolum* Dalla Torre, Cat. Hymen., 1901, 3: 103. [syn.]

*Thymaris slingerlandana* Ashmead, Canad. Ent., 1904, 36: 333. ♀. [o.d., fig., host *l*, Ithaca, N.Y. (U.S.N.M.)]

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- Thymaris slingerlandana* Slingerland, Bull. Cornell Univ. Agr. Exp. Sta., 1904, 223: 53. [biol., host *l*, N.Y.]
- Diocetes obliteratus* Johnson and Hammar, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 116: 48. [host *l*, Pa.]
- Campoplex (Diocetes) obliteratus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 266. [des.]
- Diocetes obliteratus* Felt, Ann. Rpt. Ent. Soc. Ont., 1918, 48: 46. [host *d*, N.Y.]
- Diocetes obliteratus* Felt, Cornell Univ. Agr. Exp. Sta. Extension Bull., 1918, 27: 147. [host *d*, N.Y.]
- Diocetes obliteratus* Porter and Garman, Bull. Conn. Agr. Exp. Sta., 1923, 246: 260. [biol., host *d*, Conn., N.Y.]
- Campoplex (Diocetes) obliteratus* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 182. [syn.]
- Campoplex (Nemeritis) dolichourus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 178. ♀. [des., host *a*, Oakville, Ont. (C.N.C.)] New synonymy.
- Diocetes salicicola* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]
- Diocetes obliteratus* Gentner, Spec. Bull. Mich. Agr. Exp. Sta., 1925, 148: 9. [host *l*, Mich.]
- Diocetes obliteratus* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *h*, Pa.]
- Diocetes obliteratus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: pl. 3 fig. 10d. [biol.]
- Diocetes obliteratus* Hough, Bull. Va. Agr. Exp. Sta., 1927, 259: 18. [host *h*, Va.]
- Diocetes obliteratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *d h k*, N.Y.]
- Diocetes salicicola* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host *f*, N.Y.]
- Diocetes obliteratus* Dozier, Butler, and Williams, Bull. Univ. Del. Agr. Exp. Sta., 1929, 162: 41. [host *l*, Del.]
- Diocetes obliteratus* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *k*, Ont.]
- Diocetes obliteratus* Dozier and Butler, Jour. Econ. Ent., 1929, 22: 135. [host *l*, Del.]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [biol., host *k*, Ont.]
- Angitia (Diocetes) obliterata* Neave, Rev. Appl. Ent., 1929, 16: 713. [syn.]
- Diocetes obliteratus* Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *k*, N.J.]
- Diocetes obliteratus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [host *d*, Mass.]
- Diocetes obliteratus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *k*, Ohio]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *k*, Ont.]

- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68.  
[host *k*, Ont.]
- Diocetes obliteratus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.  
[host *k*, N.Y.]
- Diocetes obliteratus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *k*, Tenn.]
- Diocetes obliteratus* Merritt, Jour. Econ. Ent., 1933, 26: 789-790. [host *k*, Mich.]
- Diocetes obliteratus* Montgomery, Canad. Ent., 1933, 65: 186. [host *n*, Ind.]
- Diocetes obliteratus* McSparan, Bull. Pa. Dept. Agr., 1934, 526: 27. [host *k*, Pa.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 48. [host *b c d l m*, Ont.]
- Inareolata obliterata* Putman, Canad. Ent., 1935, 67: 106, 107, 109. [host  
*b c d l m*, Ont.]
- Diocetes obliteratus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.  
[host *k*, Ont.]
- Diocetes obliteratus* Garlick, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 111. [biol.,  
host *l*, Ont.]
- Diocetes obliteratus* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26, 27.  
[host *k l*, Ohio]
- Diocetes obliteratus* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:  
72. [biol., host *k*, Ont.]
- Inareolata obliterata* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host  
*k*, Del.]
- Diocetes obliteratus* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *j*,  
Canada]

COLEOPHORIDAE: *a*, *Coleophora fletcherella*. YPONOMEUTIDAE: *b*, *Argyresthia oreasella*; *c*, *Xyrosaris celastrusella*. GLYPHIPTERYGIDAE: *d*, *Anthophila pariana*. GELECHIIDAE: *e*, *Aristotelia rubidella*; *f*, *Dichomeris ligulella*; *g*, "*Gelechia*" on *Salix* sp. TORTRICIDAE: *h*, *Argyrotaenia velutinana*; *i*, *Peronea minuta*; *j*, *Peronea variana*. OLETHREUTIDAE: *k*, *Grapholitha molesta*; *l*, *Polychrosis viteana*; *m*, *Proteoteras aesculana*. PYRAUSTIDAE: *n*, *Desmia funeralis*.

### **Horogenes obliteratedellus** (Viereck) new combination

*Campoplex* (*Hyposoter*) *obliteratedella* Viereck, Canad. Ent., 1925, 57: 204. [o.d.  
in key]; 1926, 58: 222. ♀. [des., Agassiz, B.C. (C.N.C.)]

### **Horogenes obscurus** (Cresson) new combination

- Mesoleptus obscurus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 261. ♀. [o.d.,  
Ill. (A.N.S.P.)]
- Limneria obscura* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]
- Limneria obscura* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]
- Limneria obscura* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Meloboris obscura* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.  
[N.Y.]
- Limnerium obscurum* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria obscura* Nason, Ent. News, 1905, 16: 152. [Ill.]

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*Limnerium obscurum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 619. [syn.] In part.

*Angitia obscura* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

*Campoplex (Hyposoter) convergens* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Cranbrook, B.C. (C.N.C.), Alta.] New synonymy.

*Campoplex (Ischnoscopus) vinalis* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 197. ♀. [des., Hemmingford, Que. (C.N.C.)] New synonymy.

*Campoplex (Angitia) obscura* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926, 58: 282. [syn.]

*Angitia obscura* Ainslie, Tech. Bull. U. S. Dept. Agr., 1927, 31: 15. [host *a*, Ind.]

*Cymodusa obscura* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

*Angitia obscura* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

CRAMBIDAE: *a*, *Crambus* sp.

#### **Horogenes oculus** (Viereck) new combination

*Campoplex (Nemeritis) oculus* Viereck, Canad. Ent., 1925, 57: 178. [o.d. in key]; 1926, 58: 179. ♂. [des., host *a*, Ont. (C.N.C.)]

GEOMETRIDAE: *a*, canker worm.

#### **Horogenes openangorum** (Viereck) new combination

*Campoplex (Angitia) openangorum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♂). [o.d. in key, Thompson, Conn. (Conn. Agr. Exp. Sta.)]

*Campoplex (Angitia) openangorum* Viereck, Canad. Ent., 1925, 57: 228. [key]

#### **Horogenes paenesessilis** (Viereck) new combination

*Campoplex (Hyposoter) paenesessilis* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 222. ♀. [des., Ottawa, Ont. (C.N.C.)]

#### **Horogenes parvus** (Provancher) new combination

*Limneria parva* Provancher, Nat. Canad., 1874, 6: 147. ♀. [key, o.d., Que. (M.P.Q.)]

*Limneria parva* Provancher, Nat. Canad., 1875, 7: 149. [key]

*Limneria parva* Provancher, Nat. Canad., 1879, 11: 176; (Faune, p. 368). [key, des.]

*Limneria parva* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Limneria parva* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Limneria parva* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1900, 30: 108. [host *a*, Ont.]



*Limnerium parvum* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

YPONOMEUTIDAE: a, *Plutella maculipennis*.

**Horogenes parviformis** (Viereck) new combination

*Campoplex* (*Angitia*) *parviformis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 265. (♀). [o.d. in key, North Haven, Conn. (Conn. Agr. Exp. Sta.)]

*Campoplex* (*Angitia*) *parviformis* Viereck, Canad. Ent., 1925, 57: 228. [key]

**Horogenes patens** new name

*Angitia* (*Inareolata*) *laticeps* Roman, Ann. Mag. Nat. Hist., 1938, (11), 1: 541. ♂, ♀. [o.d., central Lapland, Sweden (? Stockholm Mus.), Siberia, Greenland]. Preoccupied in *Horogenes* by Viereck, 1925.

**Horogenes pattoni** (Ashmead) new combination

*Limneria Pattoni* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♂. [key, o.d., Selma, Ala. (U.S.N.M.)]

*Limneria eurycreontis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 434. ♀. [key, o.d., host *b*, Kellogg, Cowley Co., Kans. (U.S.N.M.)] New synonymy.

*Limneria eurycreontis* Riley, Insect Life, 1890, 2: 328. ♂, ♀. [fig., biol., host *b*, Ark.]

*Limneria eurycreontis* Riley and Howard, Insect Life, 1890, 3: 158. [D.C.]

*Limneria mississippiensis* Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)] New synonymy.

*Limnerium eurycreontis* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Limnerium mississippiense* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]

*Limnerium pattonii* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

*Amorphota paenexareolata* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 309. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

*Amorphota confluens* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 217. ♀. [o.d., Galveston, Tex. (Univ. Kans.)] New synonymy.

*Amorphota paenexareolata* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]

*Cymodusa simplicicornis* Viereck, Proc. Biol. Soc. Wash., 1916, 29: 168. ♀. [o.d., Wallops Is., Va. (U.S.N.M.)] New synonymy.

*Limneria eurycreonis* (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Cymodusa mississippiensis* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 282. [syn.]

*Cymodusa simplicicornis* Viereck, Canad. Ent., 1925, 57: 180. [key]

*Campoplex* (*Hyposoter*) *confluens* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]

*Campoplex* (*Campoplex*) *paenexareolatus* Viereck, Canad. Ent., 1925, 57: 225. [key]; 1926, 58: 176. [syn.]

*Campoplex (Diadegma) eurycreontis* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

*Campoplex (Diadegma) pattoni* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

*Cymodusa mississippiensis* Ainslie, Tech. Bull. U. S. Dept. Agr., 1930, 173: 24. [host a]

CRAMBIDAE: a, *Crambus teterellus*. PYRAUSTIDAE: b, *Loxostege similalis*.

### **Horogenes plutellae** (Viereck) new combination

*Angitia plutellae* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 583. ♀. [o.d., host c, Rocky Ford, Colo. (U.S.N.M.)]

*Angitia plutellae* Marsh, Bull. U. S. Dept. Agr., Bur. Ent., 1913, 109: 75. [host a, Colo.]

*Angitia plutellae* Marsh, Jour. Agr. Res., 1917, 10: 8. [fig., biol., host b, Ariz., Colo.]

*Angitia polynesiensis* Timberlake, Proc. Hawaiian Ent. Soc., 1918, 3: 400. [syn.] In part.

*Campoplex (Hyposoter) pygmaeus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 220. ♀. [des., Oliver, B.C. (C.N.C.)] New synonymy.

*Campoplex (Angitia) plutellae* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Sagaritis* n. sp. Walley, Canad. Ent., 1926, 58: 225. ♂, ♀. [des., biol., Sask.]

*Sagaritis congregator* Walley, Canad. Ent., 1927, 59: 228. [o.d. in key, name for *Sagaritis* n. sp. Walley, (LaFleche, Sask.) (C.N.C.)] New synonymy.

*Angitia plutellae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [host b, N.Y.]

*Sagaritis congregator* King, Sci. Agr., 1929, 9: 385. [host b, Sask.]

*Angitia plutellae* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host b d, Ut.]

*Angitia plutellae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

YPONOMEUTIDAE: a, *Plutella amoraciae*; b, *Plutella maculipennis*; c, *Plutella omissa*. PYRAUSTIDAE: d, *Hellula undalis*.

### **Horogenes pterophorae** (Ashmead) new combination

*Limneria pterophorae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀. [key, o.d., host a, Alameda, Calif. (U.S.N.M.)]

*Limneria pterophorae* Riley and Howard, Insect Life, 1890, 3: 157. [Tex.]

*Limnerium pterophorae* Dalla Torre, Cat. Hymen., 1901, 3: 102. [syn.]

*Campoplex (Angitia) pterophorae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 631. [syn.]

*Campoplex (Angitia) pterophorae* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 282. [syn.]

*Angitia pterophorae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

PTEROPHORIDAE: a, "*Pterophorus*" on *Malus pumila*.

**Horogenes punctorius** (Roman) new combination

*Angitia* (*Diocetes*) *punctoria* Roman, Ent. Tidskr., 1923, 44: 171. ♂, ♀.  
[o.d., host *a*, Southern France (Stockholm Mus.)]

*Angitia* (*Diocetes*) *punctoria* Larrimar, Monthly letter U. S. Dept. Agr. Bur.  
Ent., 1926, 147: 4. [host *a*, New England]

*Diocetes punctoria* Jones, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 55. [biol., host *a*,  
Mass.]

*Inareolata punctoria* Wishart and Thomas, Ann. Rpt. Ent. Soc. Ont., 1933, 63:  
40, 41. [biol., host *a*, Ont.]

*Inareolata punctoria* Gibson, Cong. Internat. Ent. Paris, 1933, 2: 62. [host *a*,  
Ont.]

*Inareolata punctoria* Baird, Proc. 5th Pacific Sci. Cong., 1934, 5: 3540. [host *a*,  
Canada]

*Inareolata punctoria* Davis, Jour. Econ. Ent., 1935, 28: 328. [host *a*, United  
States]

*Inareolata punctoria* Baker and Bradley, Jour. Econ. Ent., 1938, 31: 345, 346,  
348. [host *a*, Conn., Mass., Mich., N.J.]

*Inareolata punctoria* Caffrey, Farmers' Bull. U. S. Dept. Agr., 1941, 1548,  
revised: 19. [host *a*, Eastern States]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*.

**Horogenes rivalis** (Cresson) new combination

*Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♀ (only).  
[o.d., Bosque Co., Tex. (U.S.N.M.)]

*Limneria rivalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

*Limneria rivalis* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 42.  
[Ohio]

*Limneria rivalis* Nason, Ent. News, 1905, 16: 152. [Ill.]

*Omorga rivalis* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]

*Campoplex* (*Angitia*) *rivalis* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,  
58: 282. [syn.]

*Cymodusa rivalis* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]

**Horogenes rosanae** (Viereck) new combination

*Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1924, 56: 68. ♀. [o.d.,  
host *a*, Sydney, N.S. (C.N.C.)]

*Campoplex* (*Ischnoscopus*) *alterus* Viereck, Canad. Ent., 1925, 57: 223. [o.d.  
in key]; 1926, 58: 196. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

*Campoplex* (*Angitia*) *rosanae* Viereck, Canad. Ent., 1925, 57: 228. [key]

*Angitia rosanae* Walley, Canad. Ent., 1929, 61: 192. [key]

*Angitia rosanae* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-16.  
[host *b*, N.Y.]

TRICRIDAE: *a*, *Archips rosana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

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**Horogenes solenobiae** (Ashmead) new combination

*Limneria solenobiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂. [key, o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

*Limneria solenobiae* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Limnerium solenobiae* Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

*Campoplex* (*Diadegma*) *solenobiae* Viereck, Canad. Ent., 1925, 57: 227. [key]; 1926, 58: 281. [syn.]

*Limnerium solenobiae* Taylor, Ent. Amer., 1929, 10: 40. [Mass.]

*Diadegma solenobiae* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 417. [Me.]

PSYCHIDAE: *a*, *Solenobia walshella*.

**Horogenes solus** (Viereck) new combination

*Campoplex* (*Nemeritis*) *solus* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 180. ♀. [des., Chilcotin, B.C. (C.N.C.)]

**Horogenes stenosomus** (Viereck) new combination

*Nothanomaloides stenosomus* Viereck, Trans. Roy. Soc. Canada, 1925, 19: 272. ♀. [o.d., Sudbury, Ont. (C.N.C.)]

**Horogenes trachas** (Viereck) new combination

*Campoplex* (*Nemeritis*) *trachas* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 181. ♂. [des., Cochrane, Alta. (C.N.C.)]

**Horogenes truncatus** (Viereck) new combination

*Campoplex* (*Hyposoter*) *truncatus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 200. ♀. [des., Bernard Harbour, N.W. Terr. (C.N.C.)]

**Horogenes** sp.

*Ameloctonus fugitivus* Viereck, Canad. Ent., 1925, 57: 104. [syn.] Mis-determined.

*Ameloctonus fugitivus* Viereck, Canad. Ent., 1926, 58: 65. [syn.] Mis-determined.

**HYPOSOTER** Foerster

*Hyposoter* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 152.

Genotype: *Limnerium* (*Hyposoter*) *parorgyiae* Viereck.

*Ischnoscopus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.

Genotype: *Ischnoscopus synchloae* Ashmead.

? *Anilastus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Campoplex rapax* Gravenhorst.

*Ameloctonus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157.

Genotype: *Banchus fugitivus* Say.

? *Anilasta* Thomson, Opusc. Ent., 1887, 11: 1053, 1168.

Genotype: *Campoplex rapax* Gravenhorst.

**Hyposoter affinis** (Cresson) new combination

*Mesoleptus affinis* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀ (not ♂).

[o.d., Ill. (A.N.S.P.)]

*Mesoleptus affinis* Provancher, Nat. Canad., 1875, 7: 271, 272. [key, Que.]

*Campoplex* (*Angitia*) *affinis* Viereck, Canad. Ent., 1925, 57: 227. [key]

**Hyposoter annulipes** (Cresson)

*Mesoleptus annulipes* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 257. ♀. [o.d.,

Canada West (A.N.S.P.)]

*Limneria annulipes* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. [Tex.]

*Mesoleptus annulipes* Provancher, Nat. Canad., 1875, 7: 113. [key, des., Que.]

*Mesoleptus annulipes* Provancher, Nat. Canad., 1875, 7: 271. [key]

*Limneria annulipes* Provancher, Nat. Canad., 1879, 11: 175; (Faune p. 367).

♂, ♀. [key, des.]

*Limneria annulipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 85.

[key]

*Limneria annulipes* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Limneria annulipes* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 430. [key]

*Limneria annulipes* Riley and Howard, Insect Life, 1890, 3: 157. [host *b c e*,

D.C., Ia., Ont.]

*Limneria annulipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.

[N.J.]

*Limnerium annulipes* Dalla Torre, Cat. Hymen., 1901, 3: 90. [syn.]

*Angitia annulipes* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]

*Limneria annulipes* (!) Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386.

[Kans.]

*Campoplex annulipes* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.,

Ont., Que.]

*Campoplex* (*Ischnoscopus*) *mitralis* Viereck, Canad. Ent., 1925, 57: 223. [o.d.

in key]; 1926, 58: 197. ♀. [des., Fort Norman, McKenzie River, N.W.

Terr. (C.N.C.)] New synonymy.

*Campoplex* (*Ischnoscopus*) *truncatellus* Viereck, Canad. Ent., 1925, 57: 223.

[o.d. in key]; 1926, 58: 197. ♀. [des., Trenton, Ont. (C.N.C.)] New

synonymy.

*Campoplex* (*Ameloctonus*) *confusus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.

in key]; 1926, 58: 277. ♀. [des., Aylmer, Que. (C.N.C.)] New syn-

onymy.

*Campoplex* (*Ameloctonus*) *annulipes* Viereck, Canad. Ent., 1925, 57: 224. [key];

1926, 58: 279. [syn.]

*Hyposoter annulipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 131.

[host *g*, Me.]

*Hyposoter annulipes* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Hyposoter annulipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [host *b c e f h*, N.Y.]

*Hyposoter annulipes* Gould, Bull. W.Va. Agr. Exp. Sta., 1931, 246: 9. [host *a*, W.Va.]

*Hyposoter annulipes* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *d i*, Me., Mass.]

*Hyposoter annulipes* Marshall and Musgrave, Canad. Ent., 1937, 69: 101. [host *j*, Ind.]

*Hyposoter annulipes* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]

*Hyposoter annulipes* Gould and Geissler, Jour. Econ. Ent., 1940, 33: 815. [host *a*, W.Va.]

COLEOPHORIDAE: *a*, *Coleophora malivorella*. GELECHIIDAE: *b*, *Filatima pseudo-acaciella*. PHYCITIDAE: *c*, *Mineola indiginella*. PHALAENIDAE: *d*, *Catocala antinympha*; *e*, *Ceramica picta*; *f*, *Heliothis armigera*; *g*, "*Mamestra*" sp.; *h*, *Plusia precatonis*; *i*, *Pyrrhia umbra*. Miscellaneous: *j*, leaf roller on *Malus pumila*.

***Hyposoter asper* (Viereck) new combination**

*Campoplex (Ameloctonus) asper* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Waterton Lakes, Alta. (C.N.C.)]

***Hyposoter basizona* (Viereck) new combination**

*Campoplex (Angitia) basizona* Viereck, Canad. Ent., 1924, 56: 67. ♂. [o.d., host *a*, Vernon, B.C. (C.N.C.)]

*Campoplex (Angitia) basizona* Viereck, Canad. Ent., 1925, 57: 228. [key]  
*Angitia basizona* Walley, Canad. Ent., 1929, 61: 192. [key]

TORTRICIDAE: *a*, *Archips rosana*.

***Hyposoter degrysei* (Viereck) new combination**

*Campoplex (Ameloctonus) degrysei* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 259. ♀. [des., Indian Head, Sask. (C.N.C.)]

***Hyposoter dimidiatus* (Ashmead) new combination**

*Zachresta dimidiata* Ashmead, Insect Life, 1894, 7: 243. ♀. [o.d., Utica, Miss. (U.S.N.M.)]

***Hyposoter disippi* (Viereck) new combination**

*Campoplex (Ameloctonus) disippi* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 276. ♀. [des., host *a*, Toronto, Ont. (C.N.C.)]

NYMPHALIDAE: *a*, *Basilarchia archippus*.

***Hyposoter erythrinus* (Viereck)**

*Campoplex (Hyposoter) erythrinus* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 199. ♀. [des., St. Louis, Sask. (C.N.C.)]

**Hyposoter exiguae** (Viereck)

*Campoplex* (*Hypothereutes*) *exiguae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. ♀. [o.d., host *b*, Davis, Calif. (U.S.N.M.)]

*Campoplex* (*Hypothereutes*) *exiguae* Viereck, Canad. Ent., 1925, 57: 204. [key]

*Campoplex* (*Ameloctonus*) *eurythemae* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 258. ♂, ♀. [des., host *d*, Kinisteno, Sask. (C.N.C.)]  
New synonymy.

*Hyposoter exiguae* Swezey, Jour. Econ. Ent., 1926, 19: 720. [biol., host, Hawaii]

*Hyposoter exiguae* Blanchard and Conger, Jour. Econ. Ent., 1932, 25: 1065. [host *c*]

*Hyposoter exiguae* Michelbacher & Essig, Bull. Calif. Agr. Exp. Sta., 1938, 625: 21. [fig., biol., host *a*, Calif.]

PHALAEINIDAE: *a*, *Heliothis armigera*; *b*, *Laphygma exigua*; *c*, *Prodenia praefica*.  
PIERIDAE: *d*, *Colias notatus eurytheme*.

**Hyposoter frigidus** (Lundbeck) new combination

*Limneria* sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

*Limneria frigida* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 236. ♂, ♀. [o.d., host *a b*, Ivigtut, Sermiliarsuk, and Tassiusak, Greenland (Copenhagen Mus.)]

*Limnerium frigidum* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]

*Limneria frigida* Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

*Anilasta frigida* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]

*Anilastus frigidus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 537. [syn., Greenland]

*Ailasta* (!) *frigida* Roman, Ann. Mag. Nat. Hist., 1934, (10), 14: 610. [des., Greenland]

PHALAEINIDAE: *a*, *Anarta* sp.; *b*, "*Hadena*" sp.

**Hyposoter fugitivus fugitivus** (Say)

*Banchus fugitivus* Say, Boston Jour. Nat. Hist., 1836, 1: 247. (Leconte Ed., 2: 701). ♂, ♀. [o.d., biol., Ind. (type destroyed)]

*Campoplex fugitiva* Walsh and Riley, Amer. Ent., 1868, 1: 38. [host *h*]

*Campoplex fugitivus* Riley, Ann. Rpt. Insects Mo., 1869, 1: 139. [host *h*]

*Limneria fugitiva* Riley, Ann. Rpt. Insects Mo., 1872, 4: 41. [host *b h k l*, N.Y., Vt.]

*Limneria fugitiva* Riley, Ann. Rpt. Insects Mo., 1873, 5: 133, 141. [host *j o*]

*Limneria fugitiva* Lintner, Rpt. Injurious Insects N.Y., 1885, 2: 41. [host *j*]

*Limneria Guignardi* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87. ♂, ♀. [key, o.d., host *g*, Ottawa, Ont. (C.N.C.)]

*Limneria fugitiva* Lintner, Cultivator and Country Gentleman, 1886, 51: 695. [biol., host *g t*, Md.]

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- Limneria fugitiva* Lintner, Ann. Rpt. N.Y. State Mus. Nat. Hist., 1888, 40: 90. [biol., host *g*, Md.]
- Limneria fugitiva* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1883. [key, host *q r s*, Ill., Mo., W.Va.]
- Limneria fugitiva* Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [biol., host *k*, parasite (misdetermined) *a*, S.C.]
- Limneria fugitiva* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Limneria fugitiva* Ashmead, Proc. U. S. Nat. Mus. 1890, 12: 430. [key]
- Limneria fugitiva* Riley and Howard, Insect Life, 1890, 3: 157. [host *b h l*, D.C., Mo.]
- Limneria oedemasiae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 436. ♂, ♀. [key, o.d., host *h*, Washington, D.C. (U.S.N.M.)]
- Limneria oedemasiae* Riley and Howard, Insect Life, 1891, 4: 207. [host *g*, Pa.]
- Limneria fugitiva* Coquillett, Insect Life, 1892, 5: 141. [host *d*, Calif.]
- Limneria fugitiva* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]
- Limneria fugitiva* Riley, N. Amer. Fauna, 1893, 7: 248. [Calif.]
- Limneria fugitiva* Coquillett, Bull. U. S. Dept. Agr., Div. Ent., 1894, 32: 29. [host *d*, Calif.]
- Limneria Guignardi* Davis, Canad. Ent., 1895, 27: 287, 290. [syn. des.,]
- Limneria Guignardi* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Limneria fugitiva* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *g*, Mass.]
- Limneria fugitiva* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ameloctonus fugitivus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582. [syn.]
- Limneria fugitiva* Weed and Fiske, Bull. U. S. Dept. Agr., Div. Ent., 1900, 26: 34. [host *c*, parasite *c*]
- Limnerium fugitivum* Dalla Torre, Cat. Hymen., 1901, 3: 96. [syn.]
- Limnerium oedemasiae* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]
- Limneria fugitiva* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 200, 202-206. [fig., biol., host *c*, parasite *a b c d e f g h i*, N.H.]
- Limneria fugitiva* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Nason, Ent. News, 1905, 16: 152. [Ill.]
- Limneria guignardi* Patch, Bull. Me. Agr. Exp. Sta., 1906, 134: 224. [fig., biol., host *g*, Me.]
- Limneria Guignardi* Gibson, Ann. Rpt. Ent. Soc. Ont., 1907, 37: 27. [host *g*]
- Limnerium fugitivum* Howard and Chittenden, Cir. U. S. Dept. Agr., 1909, 110: 5. [host *j*]
- Limneria guignardi* Johannsen and Patch, Bull. Me. Agr. Exp. Sta., 1911, 195: 242. [host *g*, Me.]
- Limnerium fugitivum* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 340. [syn.]
- Campoplex (Ameloctonus) fugitivus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host *a e i n t*]
- Campoplex (Ameloctonus) oedemisiae* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, host *g*, Conn.]



- Ameloctonus fugitivus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Campoplex* (*Ameloctonus*) *oedemisiae* (!) Britton, Bull. Conn. Agr. Exp. Sta., 1918, 203: 330. [fig., biol., host g, Conn.]
- Hyposoter fugitivus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 159. [syn.]
- Hyposoter fugitivus* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 164-165. [syn., des., host h]
- Horogenes guignardi* Viereck, Canad. Ent., 1925, 57: 104. [syn.]
- Campoplex* (*Hyposoter*) *oedemisiae* Viereck, Canad. Ent., 1925, 57: 204. [key]; 1926, 58: 222. [syn.]
- Campoplex* (*Ameloctonus*) *guignardi* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]
- Campoplex* (*Ameloctonus*) *fugitivus* Viereck, Canad. Ent., 1925, 57: 224. [key]
- Hyposoter fugitivus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Hyposoter fugitivus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Hyposoter fugitivus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host c f g h i k l n p, New England, N.J., N.Y.]
- Hyposoter* (*Campoplex*) *fugitivus* Britton, Bull. Conn. Agr. Exp. Sta., 1937, 396: 309. [host g, Conn.]
- Hyposoter fugitivus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host g, Me.]
- Hyposoter fugitivus* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Hyposoter fugitivus* Beaulne, Nat. Canad., 1939, 66: 95. [host c, Que.]
- Hyposoter fugitivus* Beaulne, Canad. Ent., 1939, 71: 120. [host c g i, Que.]

PHYCITIDAE: a, *Ephestia kuehniella*; b, *Mineola indiginella*. LASIOCAMPIDAE: c, *Malacosoma americanum*; d, *Malacosoma californicum*; e, *Malacosoma disstria*. NOTODONTIDAE: f, *Datana ministra*; g, *Schizura concinna*. ARCTIIDAE: h, *Euchaetias egle*; i, *Hyphantria cunea*. CITHERONIIDAE: j, *Anisota rubicunda*; k, *Anisota senatoria*; l, *Anisota stigma*; m, *Anisota virginensis*. SATURNIIDAE: n, *Automeris io*; o, *Hemileuca maia*; p, *Hemileuca lucina* or *maia*. HESPERIIDAE: q, *Pholisora catullus*. NYMPHALIDAE: r, *Asterocampa celtis*; s, *Asterocampa clyton*; t, *Vanessa cardui*.

Parasites. ICHNEUMONIDAE: a, *Gelis tenellus*; b, *Iseropus coelebs*; c, *Itopectis conquisitor*; d, *Theronia atalantae*. CHALCIDIDAE: e, *Dibrachys cavus*; f, *Elasmus varius*; g, *Habrocytus thyridopterigis*; h, *Perilampus hyalinus*; i, *Pleurotropis tarsalis*; j, *Pteromalus puparium*.

#### ***Hyposoter fugitivus pacificus* Cushman**

*Limneria fugitiva* Harrington, Canad. Ent., 1897, 29: 45. [B.C.] Misdetermined.

*Hyposoter fugitivus* var. *pacificus* Cushman, Proc. Ent. Soc. Wash., 1919, 21: 119. ♂, ♀. [o.d., host a c, Takoma, Wash. (U.S.N.M.), Calif.]

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*Hyposoter fugitivus* var. *pacificus* Essig, Insects of Western N. Amer., 1926, p. 791, 792. [fig., host *a c d*, B.C., Calif.]

*Hyposoter fugitivus* var. *pacificus* Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [host *b*, Ut.]

*Hyposoter fugitivus pacificus* Swain, Ent. News, 1937, 48: 246, 247. [host *e*, parasite *a b*, Colo.]

*Hyposoter fugitivus* var. *pacificus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [host *f*, Ut.]

LASIOCAMPIDAE: *a*, *Malacosoma ambisimile*; *b*, *Malacosoma disstria*; *c*, *Malacosoma pluviale*. NOTODONTIDAE: *d*, *Schizura concinna*. ARCTIIDAE: *e*, *Hyphantria cunea*. Miscellaneous: *f*, tent caterpillar.

Parasites. CHALCIDIDAE: *a*, *Dibrachys cavus*; *b*, *Perilampus hyalinus*.

***Hyposoter fuscitarsus* (Viereck) new combination**

*Campoplex* (*Ameloctonus*) *fuscitarsus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 279. ♀. [des., Ottawa, Ont. (C.N.C.)]

***Hyposoter galvestonensis* (Viereck) new combination**

*Amorphota galvestonensis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 219. ♀. [o.d., Galveston, Tex. (Univ. Kans.)]

*Campoplex* (*Ameloctonus*) *galvestonensis* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 279. [syn.]

***Hyposoter grahami* (Viereck) new combination**

*Campoplex* (*Holocreminus*) *grahami* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 182. ♀. [des., Queen's Park, Aylmer, Que. (C.N.C.)]

***Hyposoter luctus* (Davis) new combination**

*Canidia luctus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♀. [o.d., Mt. Washington, N.H. (A.N.S.P.)]

*Canidiella lucta* Dalla Torre, Cat. Hymen., 1901, 3: 110. [syn.]

*Zachrestoides intermedia* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key]; 1926, 58: 3. ♂. [des., Bernard Harbor, N.W. Terr. (C.N.C.)] New synonymy.

*Campoplex* (*Bathyplectes*) *lucta* Viereck, Canad. Ent., 1925, 57: 224. [key]; 1926, 58: 223. [syn.]

***Hyposoter nigrolineatus* (Viereck) new combination**

*Hypothereutes nigrolineatus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *c*, Springer, N.M. (U.S.N.M.)]

*Hyposoter interjectus* Gahan, Proc. U. S. Nat. Mus., 1914, 48: 156. ♀. [o.d., host *b*, Arcola, Miss. (U.S.N.M.), Fla.] New synonymy.

*Campoplex* (*Hypothereutes*) *nigrolineatus* Viereck, Canad. Ent., 1925, 57: 204. [key]

*Hyposoter interjectus* Wilson, Fla. Ent., 1932, 16: 39. [host *a*, Fla.]

*Hyposoter interjectus* Wilson, Fla. Ent., 1933, 17: 3. [des., biol., host *a*, Fla.]

PHALAENIDAE: *a*, *Laphygma exigua*; *b*, *Prodenia ornithogalli*; *c*, *Protoleucania albilinea*.

***Hyposoter noctuae* (Ashmead) new combination**

*Limneria noctuae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 437. ♂. [key, o.d., host *a*, Washington, D.C. (U.S.N.M.)]

*Limnerium noctuae* Dalla Torre, Cat. Hymen., 1901, 3: 100. [syn.]

*Hyposoter diversicolor* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 590. ♀. [o.d., host *b*, East River, Conn. (U.S.N.M.)] New synonymy.

*Campoplex* (*Hyposoter*) *diversicolor* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. ♀. [des.]

*Campoplex* (*Hyposoter*) *diversicolor* Viereck, Canad. Ent., 1925, 57: 203. [key]

PHALAENIDAE: *a*, phalaenid pupa on *Betula lenta*. Miscellaneous: *b*, larva on hickory.

***Hyposoter occidentali* (Viereck)**

*Campoplex* (*Hyposoter*) *occidentali* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 219. ♀. [des., host *a*, Waterton Lakes, Alta. (C.N.C.)]

PTEROPHORIDAE: *a*, *Oidaematophorus occidentalis*.

***Hyposoter ochreofrons* (Cushman) new combination**

*Echthronomas ochreofrons* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 12. ♀. [o.d., Veitch, Va. (U.S.N.M.)]

*Echthronomas ochreofrons* Bradley, Bull. Lloyd Libr., 1926, 27: 172. [N.Y.]

*Echthronomas ochreofrons* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 956. [N.Y.]

*Echthronomas ochreofrons* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

***Hyposoter parorgyiae* (Viereck)**

*Limnerium* (*Hyposoter*) *parorgyiae* Viereck, Proc. U. S. Nat. Mus., 1910, 38: 382. ♂, ♀. [o.d., fig., Mass. (U.S.N.M.)]

*Campoplex* (*Hyposoter*) *parorgyiae* Viereck, Canad. Ent., 1925, 57: 203. [key]

*Hyposoter parorgyiae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *a*, Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*.

***Hyposoter pectinatus* (Thomson) new combination**

*Anilasta pectinata* Thomson, Opusc. Ent., 1887, 11: 1171. ♀. [o.d., Esperödi, Sweden (? Lund Mus.)]

*Limneria Deichmanni* Nielsen, Meddel. om Grønland, 1907, 29: 386. ♂, ♀. [o.d., biol., host *a*, Hekla Havn, Greenland (? Copenhagen Mus.)]

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- Limneria Deichmanni* Johansen, Meddel. om Grønland, 1910, 43: 44, 46. [biol., host *a*, Greenland]  
*Limneria Deichmanni* Nielsen, Meddel. om Grønland, 1910, 43: 56. [biol., host *a*, Greenland]  
*Limneria Deichmanni* Roman, Arkiv för Zoologi, 1916, 10, no. 22: 3. [syn.]  
*Astiphromma Deichmanni* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 538. [syn.]  
*Anilasta pectinata* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des., Europe, Greenland]

LYMANTRIIDAE: *a*, *Byrdia groenlandica*.

**Hyposoter pilosulus (Provancher)**

- Limneria rivalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂ (only). [des.] Misdetermined.  
*Limneria pilosula* Provancher, Addit. Faune Canada, Hymén., 1886, p. 89. ♂, ♀. [key, o.d., Ottawa, Ont. (C.N.C.), Que.]  
*Limneria ephestriae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♂, ♀. [key, o.d., host *a*, Mo. (U.S.N.M.)]  
*Limnerium ephestiae* (!) Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]  
*Limnerium pilosulum* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]  
*Amorphota perrivalis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 307. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)]  
*Limneria pilosula* Nason, Ent. News, 1905, 16: 152. [Ill.]  
*Amorphota perrivalis* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo., Kans.]  
*Limnerium pilosulum* Timberlake, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19: 72, 90–91. [biol., host *d*]  
*Limnerium pilosulum* Hewitt, Rpt. Exp. Farms Canada for 1913–14, 1915, p. 861. [host *d*, N.B.]  
*Campoplex (Ameloctonus) pilosulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 267. [key, Conn.]  
*Campoplex pilosulus* Dustan, Proc. Ent. Soc. N.S., 1921, 6: 81–88. [biol., host *d*]  
*Campoplex (Ameloctonus) pilosulus* Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59–74. [des., fig., biol., host *d*, morphology, N.B., N.S.]  
*Hyposoter pilosulus* Cushman, Proc. Ent. Soc. Wash., 1925, 27: 166. [syn.]  
*Campoplex (Hypothereutes) clarus* Viereck, Canad. Ent., 1925, 57: 204. [o.d. in key]; 1926, 58: 224. ♀. [des., "E. Ont." (C.N.C.)] New synonymy.  
*Campoplex (Ameloctonus) cuneae* Viereck, Canad. Ent., 1925, 57: 223. [o.d. in key]; 1926, 58: 227. ♀. [des., host *d*, Trenton, Ont. (C.N.C.)] New synonymy.  
*Campoplex (Ameloctonus) perrivalis* Viereck, Canad. Ent., 1925, 57: 223. [key]; 1926, 58: 279. [syn.]  
*Ameloctonus perrivalis* Viereck, Canad. Ent., 1926, 58: 65. [syn.]  
*Angitia pilosula* Viereck, Canad. Ent., 1926, 58: 65. [syn.]

- Hyposoter pilosulus* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43, pl. 6, figs. 43, 45, 48, 49, 50. [biol.]
- Hyposoter pilosulus* Gray, Bull. Ark. Exp. Sta., 1926, 203: 32. [host *d*, Ark.]
- Hyposoter pilosulus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Hyposoter pilosulus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 955. [N.Y.]
- Hyposoter pilosulus* Baerg, Bull. Ark. Agr. Exp. Sta., 1928, 224: 23, 24. [fig., biol., host *d*, Ark.]
- Hyposoter pilosulus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 150. [biol., host *b c d*, Conn., Me., Mass., N.H., N.J., N.Y., R.I.]
- Hyposoter pilosulus* Swain, Jour. Colo.-Wyo. Acad. Sci., 1937, 3, no. 2 & 3: 43. [biol., host *d*, Colo.]
- Hyposoter pilosulus* Swain, Ent. News, 1937, 48: 246, 247. [host *d*, parasite *a b c d e f*, Colo.]
- Hyposoter pilosulus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 416. [host *d*, Me.]
- Hyposoter pilosulus* Swain, Green, and Portman, Jour. Kans. Ent. Soc., 1938, 11: 7-9. [biol., host *d*, Colo.]
- Hyposoter pilosulus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PHYCITIDAE: *a*, ?*Plodia interpunctella*. ARCTIIDAE: *b*, *Diacrisia virginica*; *c*, *Euchaetias egle*; *d*, *Hyphantria cunea*.

Parasites. ICHNEUMONIDAE: *a*, *Gelis atratus*; *b*, *Gelis tenellus*. CHALCIDIDAE: *c*, *Catolaccus aeneoviridis*; *d*, *Dibrachys cavus*; *e*, *Hypopteromalus percursor*; *f*, *Perilampus hyalinus*.

#### ***Hyposoter planata* (Viereck) new combination**

- Campoplex* (*Diadegma*) *planata* Viereck, Canad. Ent., 1925, 57: 229. [o.d. in key, (Keremeos, B.C.) (C.N.C.)]
- Campoplex* (*Ecphora*) *planata* Viereck, Canad. Ent., 1926, 58: 281. ♀. [des., B.C.]

#### ***Hyposoter plesius* (Viereck)**

- Campoplex* (*Hyposoter*) *plesius* Viereck, Canad. Ent., 1925, 57: 203. [o.d. in key]; 1926, 58: 201. ♀. [des., Sudbury, Ont. (C.N.C.)]

#### ***Hyposoter popofensis* (Ashmead) new combination**

- Ameloctonus popofensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 237. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]
- Campoplex* (*Ameloctonus*) *popofensis* Viereck, Canad. Ent., 1925, 57: 224. [key]
- Campoplex* (*Diadegma*) *ruficruris* Viereck, Canad. Ent., 1925, 57: 227. [o.d. in ket]; 1926, 58: 280. ♀. [des., Hull, Que. (C.N.C.)] New synonymy.
- Ameloctonus popoffensis* (!) Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

**Hyposoter rubiginosus** Cushman

*Hyposoter rubiginosus* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 4: 11.

♂, ♀. [o.d., host *b*, Stonington, Conn. (U.S.N.M.)]

*Campoplex (Hyposoter) rubiginosus* Viereck, Canad. Ent., 1925, 57: 203. [key]

*Hyposoter rubiginosus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 151. [biol., host *a b*, Conn., Mass.]

LYMANTRIIDAE: *a*, *Olene atomaria*; *b*, *Olene basiflava*.

**Hyposoter sarntheinii** (Dalla Torre) new combination

*Limneria rufa* Riley and Howard, Insect Life, 1890, 3: 157. [host *a*, Ill.]  
Nomen nudum.

*Limneria rufa* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. ♀ (not ♂).  
[key, o.d., host *a*, St. Louis, Mo. (U.S.N.M.)] Preoccupied by Bridgman, 1882.

*Limnerium sarntheinii* Dalla Torre, Cat. Hymen., 1901, 3: 104. [new name for *Limneria rufa* Ashmead]

*Campoplex (Ameloctonus) sarntheini* Viereck, Canad. Ent., 1925, 57: 223.  
[key]; 1926, 58: 279. [syn.]

GEOMETRIDAE: *a*, *Synchlora aerata*.

**Hyposoter synchloae** (Ashmead) new combination

*Ischnoscopus synchloae* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]

*Ischnoscopus synchloae* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♂.  
[o.d., host *a*, Canobie Lake, N.H. (U.S.N.M.)]

GEOMETRIDAE: *a*, *Synchlora* sp.

**Hyposoter triops** (Walley) new combination

*Angitia triops* Walley, Canad. Ent., 1929, 61: 191. ♂. [key, o.d., St. Thomas, Ont. (C.N.C.)]

**Hyposoter xanthocerus** (Viereck) new combination

*Ameloctonus xanthocerus* Viereck, Psyche, 1921, 28: 70. ♀. [o.d., Great Falls, Va. (M.C.Z.)]

*Campoplex (Ameloctonus) xanthocerus* Viereck, Canad. Ent., 1925, 57: 224.  
[key]

**CAMPOCTONUS** Viereck

*Campoctonus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Limneria corrupta* Cresson.

*Campoctonoides* Viereck, Canad. Ent., 1925, 57: 177. New synonymy.

Genotype: *Campoctonoides currani* Viereck.

**Campoctonus belfragei** (Ashmead) new combination

*Limneria Belfragei* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♂. [key, o.d., Tex. (U.S.N.M.)]

*Limnerium belfragei* Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

**Campoctonus carinatus** (Provancher) new combination

*Campoplex carinatus* Provancher, Nat. Canad., 1879, 11: 150; (Faune, p. 365). ♀. [key, o.d., fig., Que. (M.P.Q.)]

*Campoplegidea carinata* Viereck, Trans. Roy. Soc. Canada, 1925, 19, sect. 5: 262. [key]

*Campoctonoides beaulnei* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Ft. Coulonge, Que. (C.N.C.), Alta.] New synonymy.

*Campoctonoides harringtoni* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 297. ♀. [des., Ottawa, Ont. (C.N.C.)] New synonymy.

**Campoctonus corruptus** (Cresson)

*Limneria corrupta* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Limneria corrupta* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

*Limnerium corruptum* Dalla Torre, Cat. Hymen., 1901, 3: 93. [syn.]

*Campoctonus corruptus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

**Campoctonus currani** (Viereck) new combination

*Campoctonoides currani* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key]; 57: 296. ♂, ♀. [des., Sebright, Ont. (C.N.C.), Que.]

**OLESICAMPE** Foerster

*Limneria* Holmgren, Öfvers. Vet.-Akad. Förh., 1859, 15: 326. Preoccupied by Adams, 1851.

Genotype: *Ichneumon longipes* Müller.

*Olesicampe* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 153.

Genotype: *Ichneumon fulviventris* Gmelin.

*Omoborus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 154. New synonymy.

Genotype: *Omoborus kincaidi* Davis.

? *Holocremnus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 157. New synonymy.

Genotype: *Limneria cothurnata* Holmgren.

*Olesicampa* Thomson, Opusc. Ent., 1887, 11: 1052, 1139.

Genotype: *Ichneumon longipes* Müller.

? *Holocremna* Thomson, Opusc. Ent., 1887, 11: 1053, 1176.

Genotype: *Limneria cothurnata* Holmgren.

*Limnerium* Ashmead, Canad. Ent., 1900, 32: 368. [new name for *Limneria* Holmgren]

*Zaplatystoma* Viereck, Canad. Ent., 1925, 57: 177, 180; 1926, 58: 6. New synonymy.

Genotype: *Zaplatystoma typicum* Viereck.

**Olesicampe alaskensis** (Ashmead) new combination

*Olesicampa alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 235. ♂.  
[o.d., Juneau, Alaska (U.S.N.M.)]

*Campoplex* (*Holocremnus*) *alaskensis* Viereck, Canad. Ent., 1925, 57: 203.  
[key]; 1926, 58: 196. [syn.]

**Olesicampe annulata** (Provancher) new combination

*Pyracmon annulatum* Provancher, Nat. Canad., 1879, 11: 182; (Faune, p. 374).  
♀. [key, o.d., Que. (M.P.Q.)]

*Tryphon?* *annulatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Tryphon annulatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 331. [key]

*Zaplatystoma annulatum* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926,  
58: 32. [syn.]

**Olesicampe atypica** (Viereck) new combination

*Pyracmonoides atypicum* Viereck, Canad. Ent., 1925, 57: 177. [o.d. in key];  
57: 300. ♂. [des., Metlakatla, B.C. (C.N.C.)]

**Olesicampe banffensis** (Viereck) new combination

*Campoplex* (*Ameloctonus*) *banffensis* Viereck, Canad. Ent., 1925, 57: 224.  
[o.d. in key]; 1926, 58: 278. ♀. [des., Banff, Alta. (C.N.C.)]

*Campoplex* (*Ameloctonus*) *pauxillus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.  
in key]; 1926, 58: 278. ♀. [des., Transcona, Man. (C.N.C.)] New  
synonymy.

**Olesicampe barbata** (Provancher) new combination

*Mesoleptus barbatus* Provancher, Addit. Faune Canada, Hymén., 1886. p.  
98. ♀. [key, o.d., Bécancœur, Que. (M.P.Q.)]

*Mesoleptus barbatus* Provancher, Nat. Canad., 1887, 16: 24. [Que.]

*Limneria barbatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 189. [syn.]

*Limnerium barbatum* Dalla Torre, Cat. Hymén., 1901, 3: 91. [syn.]

*Campoplex* (*Holocremnus*) *metacometi* Viereck, Bull. Conn. Geol. Nat. Hist.  
Surv., 1917, 22: 264. (♀). [o.d., New Haven, Conn. (Conn. Agr. Exp.  
Sta.)] New synonymy.

*Pyracmon barbatum* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.  
[syn.]

*Zaplatystoma metacometi* (!) Viereck, Canad. Ent., 1925, 57: 181. [key]; 1926,  
58: 196. [syn.]



**Olesicampe beginii** (Ashmead)

*Prionopoda beginii* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 198. ♀.  
[o.d., Sherbrooke, Que. (U.S.N.M.)]

*Prionopoda? beginii* Davis, Trans. Amer. Ent. Soc., 1897, 24: 253. ♂. [des.]

*Olesicampe beginii* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20.  
[syn.]

**Olesicampe brachyura** (Ashmead) new combination

*Limneria brachyura* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 431. ♀. [key,  
o.d., Mich. (U.S.N.M.)]

*Limnerium brachyurum* Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

**Olesicampe californica** (Cresson) new combination

*Limneria californica* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♂.  
[o.d., San Diego, Calif. (A.N.S.P.)]

*Limnerium californicum* Dalla Torre, Cat. Hymen., 1901, 3: 91. [syn.]

**Olesicampe cushmani** (Viereck) new combination

*Campoplex (Ameloctonus) diversus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.  
in key]; 1926, 58: 277. ♀. [Sudbury, Ont. (C.N.C.)] Preoccupied by  
Norton, 1863.

*Campoplex (Ameloctonus) cushmani* Viereck, Canad. Ent., 1926, 58: 279. [new  
name for *Campoplex (Ameloctonus) diversus* Viereck]

**Olesicampe decora** (Viereck) new combination

*Zaplatystoma decorum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 31. ♀. [des., Hedley, B.C. (C.N.C.)]

**Olesicampe delicata** (Viereck) new combination

*Campoplex (Ameloctonus) delicatus* Viereck, Canad. Ent., 1925, 57: 224. [o.d.  
in key]; 1926, 58: 278. ♀. [des., Sudbury, Ont. (C.N.C.)]

**Olesicampe dentata** (Provancher) new combination

*Macrus dentatus* Provancher, Nat. Canad., 1874, 6: 150. ♀. [o.d., Que.  
(M.P.Q.)]

*Limneria ruficornis* Provancher, Nat. Canad., 1875, 7: 147, 149. ♀. [key,  
o.d., Que. (type lost)]

*Limneria dentata* Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373). ♀.  
[key, syn., des.]

*Limneria dentata* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.  
[key]

*Limnerium dentatum* Dalla Torre, Cat. Hymen., 1901, 3: 94. [syn.]

*Limneria dentata* Nason, Ent. News, 1905, 16: 152. [Ill.]

**Olesicampe egregia** (Viereck) new combination

*Zaplatystoma egregium* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 30. ♀. [des., Sudbury, Ont. (C.N.C.)]

**Olesicampe extrema** (Holmgren) new combination

*Limneria extrema* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1872, 29, no. 6:  
98. ♀. [o.d., North Greenland (? Stockholm Mus.)]

*Limneria extrema* Lundbeck, Vidensk. Medd. Nat. For. København, (1896),  
1897, p. 236. [Greenland]

*Limneria extrema* Strand, Rpt. Second Norwegian Arctic Exped. in the "Fram"  
1898-1902, 1905, no. 3: 7. [Greenland]

*Holocrema extrema* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 287. [des.,  
Greenland]

**Olesicampe euurae** (Ashmead) new combination

*Limneria euurae* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 433. ♂, ♀.  
[key, o.d., host *a*, Pariah, Ut. (U.S.N.M.)]

*Limnerium euurae* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Campoplex* (*Angitia*) *euurae* Viereck, Canad. Ent., 1925, 57: 228. [key]; 1926,  
58: 282. [syn.]

TENTHREDINIDAE: *a*, *Euura* sp. on *Salix* sp.

**Olesicampe flavirictus** (Cresson) new combination

*Mesoleptus flavirictus* Cresson, Proc. Ent. Soc. Phila., 1864, 3: 263. ♀.  
[o.d., Pa. (A.N.S.P.)]

*Mesoleptus flavirictus* Provancher, Nat. Canad., 1875, 7: 114. [key, des., Que.]

*Mesoleptus flavirictus* Provancher, Nat. Canad., 1875, 7: 272. [key]

*Limneria flaviricta* Provancher, Nat. Canad., 1879, 11: 180; (Faune p. 372).  
[key, des.]

*Limneria flaviricta* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Limneria flaviricta* Provancher, Addit. Faune Canada, Hymén., 1886, p. 86.  
[key]

*Limneria flaviricta* Slosson, Ent. News, 1895, 6: 5. [N.H.]

? *Limneria argentifrons* Harrington, Canad. Ent., 1897, 29: 45. [B.C.] ?Mis-  
determined.

*Limneria flaviricta* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 582.  
[N.J.]

*Limnerium flavirictum* Dalla Torre, Cat. Hymen., 1901, 3: 95. [syn.]

*Limneria flavirista* (!) Nason, Ent. News, 1905, 16: 152. [Ill.]

*Zaplatystoma cinereum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 7. ♀. [des., Buffalo, N.Y. (C.N.C.)] New synonymy.

**Olesicampe fossata** (Viereck) new combination

*Pyracmon fossatum* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926, 58: 6. ♂. [des., Sudbury, Ont. (C.N.C.)]

**Olesicampe johnsoni** (Viereck) new combination

*Zaplatystoma johnsoni* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 32. ♀. [des., Glen House, N.H. (?M.C.Z.)]

**Olesicampe kincaidi** (Davis) new combination

*Omoborus kincaidi* Davis, Trans. Amer. Ent. Soc., 1898, 24: 363. ♂. [o.d., Seattle, Wash. (A.N.S.P.)]

**Olesicampe lata** (Viereck) new combination

*Zaplatystoma latum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 7. ♂. [des., Winnipeg, Man. (C.N.C.)]

*Zaplatystoma simplex* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 30. ♀. [des., Banff, Alta. (C.N.C.)] New synonymy.

**Olesicampe lophyri** (Riley) new combination

*Limneria lophyri* Riley, Ann. Rpt. Insects Mo., 1877, 9: 32. ♂, ♀. [o.d., host *a b*, (Valparaiso, Ind.) (U.S.N.M.)]

*Limneria lophyri* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 429. [key]

*Limneria lophyri* Riley and Howard, Insect Life, 1890, 3: 158. [host *b*, Ind.]

*Limnerium lophyri* Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

*Campoplex (Holocrechnus) lophyri* Viereck, Canad. Ent., 1926, 58: 196. [syn.]

*Holocrechnus lophyri* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Que.]

PHYCITIDAE: *a*, ?*Plodia interpunctella*. DIPRIONIDAE: *b*, *Neodiprion abbotii*.

**Olesicampe mimetica** (Viereck) new combination

*Zaplatystoma mimeticum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key]; 1926, 58: 31. ♀. [des., Banff, Alta. (C.N.C.)]

**Olesicampe modesta** (Brues) new combination

*Diocles modestus* Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. ♂, ♀. [o.d., host *a*, Bernard Harbor, N.W. Terr. (C.N.C.)]

Miscellaneous: *a*, galls on *Salix* sp. made by ?sawflies.

**Olesicampe nematicida** (Viereck) new combination

*Campoplex (Ameloctonus) nematicidus* Viereck, Canad. Ent., 1925, 57: 224. [o.d. in key]; 1926, 58: 258. ♀. [des., host *a*, Hatzic, B.C. (C.N.C.)]

Miscellaneous: *a* sawfly on *Ribes* sp.

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**Olesicampe nigradorsis** (Viereck) new combination

*Campoplex* (*Amelotonus*) *nigradorsis* Viereck, Canad. Ent., 1925, 57: 224.  
[o.d. in key]; 1926, 58: 277. ♀. [des., Prince Edward Co., Ont. (C.N.C.)]

**Olesicampe obscuripes** (Viereck) new combination

*Limnerium obscuripes* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 91. ♀.  
[o.d., Beulah, N.M. (A.N.S.P.)]

**Olesicampe ocellata** (Viereck) new combination

*Zaplatystoma ocellatum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 8. ♂. [des., Ottawa, Ont. (C.N.C.)]

**Olesicampe patula** (Viereck) new combination

*Pyracmon patulum* Viereck, Canad. Ent., 1925, 57: 180. [o.d. in key]; 1926,  
58: 5. ♀. [des., Winnipeg, Man. (C.N.C.)]

**Olesicampe peraffinis** (Ashmead) new combination

*Limneria peraffinis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 435. ♀.  
[key, o.d., Tex. (U.S.N.M.)]  
*Limnerium peraffine* Dalla Torre, Cat. Hymen., 1901, 3: 101. [syn.]

**Olesicampe petiolata** (Viereck) new combination

*Zaplatystoma petiolatum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 31. ♂. [des., Sudbury, Ont. (C.N.C.)]

**Olesicampe pikonemae** Walley

*Olesicampe pikonemae* Walley, Canad. Ent., 1942, 74: 193. ♂, ♀. [o.d., host  
a b, Queene Co., Que. (C.N.C.), B.C., N.B., Ont.]  
TENTHREDINIDAE: a, *Pikonema alaskensis*; b, *Pikonema dimmockii*.

**Olesicampe pteronideae** (Rohwer)

*Homalomma pteronideae* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 219. ♂.  
[o.d., host b, Falls Church, Va. (U.S.N.M.)]  
*Olesicampe pteronideae* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20.  
[syn.]  
*Homalomma pteronideae* Middleton, Proc. U. S. Nat. Mus., 1922, 61, art. 21: 23.  
[host a, Va.]  
TENTHREDINIDAE: a, *Nematus alnivora*; b, *Nematus corylus*.

**Olesicampe sericea** (Provancher) new combination

*Limneria sericea* Provancher, Nat. Canad., 1875, 7: 148, 149. ♂. [key, o.d.,  
Que. (type lost)]

*Limneria sericea* Provancher, Nat. Canad., 1879, 11: 181; (Faune p. 373).  
[key, des.]

*Limneria sericea* Provancher, Addit. Faune Canada, Hymén., 1886, p. 87.  
[key]

*Limnerium sericeum* Dalla Torre, Cat. Hymen., 1901, 3: 104. [syn.]

*Holocreminus flaviclypeus* Viereck, Psyche, 1921, 28: 75. ♂. [o.d., Chain  
Bridge, Va. (M.C.Z.)] New synonymy.

*Pyracmon sericeum* Viereck, Canad. Ent., 1925, 57: 180. [key]; 1926, 58: 6.  
[syn.]

**Olesicampe typica** (Viereck) new combination

*Zaplatystoma typicum* Viereck, Canad. Ent., 1925, 57: 181. [o.d. in key];  
1926, 58: 7. ♂, ♀. [des., Kingsmere, Que. (C.N.C.)]

**Olesicampe virginensis** (Viereck) new combination

*Holocreminus virginensis* Viereck, Psyche, 1921, 28: 76. ♀. [o.d., Falls  
Church, Va. (M.C.Z.)]

**BENJAMINIA** Viereck

*Benjaminia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633.

Genotype: *Charops fuscipennis* Provancher.

*Zachrestoides* Viereck, Canad. Ent., 1925, 57: 177, 179; 1926, 58: 2.

Genotype: *Zachrestoides euphydryadis* Viereck.

**Benjaminia fuscipennis** (Provancher)

*Charops fuscipennis* Provancher, Addit. Faune Canada, Hymén., 1888, p. 365.

♀. [o.d., host *a*, Los Angeles, Calif. (M.P.Q.)]

*Benjaminia fuscipennis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 633. [syn.]

*Benjaminia fuscipennis* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:

16. ♂, ♀. [des., host *a*, Calif., Nev.]

NYMPHALIDAE: *a*, *Euphydryas chalcidon*.

**Benjaminia euphydryadis** (Viereck)

*Zachrestoides euphydryadis* Viereck, Canad. Ent., 1925, 57: 179. [o.d. in key];

1926, 58: 3. ♀. [des., host *a*, St. Adele, Que. (C.N.C.)]

*Benjaminia euphydryadis* Cushman, Proc. U. S. Nat. Mus., 1933, 82, art. 14:

16. [des., host *a*, Mass.]

*Benjaminia euphydryadis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,

1934, 188: 152. [biol., host *a b*, Mass.]

NYMPHALIDAE: *a*, *Euphydryas phaëton*; *b*, *Melitaea harrisii*.

**CHAROPSIMORPHA** Viereck

*Charopsimorpha* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635.

Genotype: *Charops tibialis* Cresson.

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**Charopsimorpha tibialis** (Cresson)

*Charops tibialis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 173. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Limneria? insolens* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 386. ♂, ♀. [o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

*Charops tibialis* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*]

*Charops apaturae* Riley and Howard, Insect Life, 1890, 3: 155. [host *b*, Ill.]  
Nomen nudum.

*Charops apaturae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [o.d., host *b*, Fairburg, Ill. (U.S.N.M.)]

*Limnerium insolvens* (!) Dalla Torre, Cat. Hymen., 1901, 3: 98. [syn.]

*Charopsimorpha tibialis apaturae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

*Charopsimorpha tibialis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 635. [syn.]

TORTRICIDAE: *a*, ?tortricid. NYMPHALIDAE: *b*, *Asterocampa clyton*.

## Subfamily 11. OPHIONINAE

## Tribe 2. CREMASTINI

**DIMOPHORA** Foerster

*Dimophora* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 155.

Genotype: *Dimophora robusta* Brischke.

*Demophorus* Thomson, Opusc. Ent., 1890, 14: 1457.

Genotype: (*Demophorus arenicola* Thomson) = *robusta* Brischke.

*Oligotmema* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280.

Genotype: *Oligotmema prima* Cushman.

**Dimophora prima** (Cushman) new combination

*Oligotmema prima* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 281. ♀. [o.d., fig., Colo. (U.S.N.M.)]

*Demophorus primus* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22.  
♂, ♀. [des., Colo.]

**PRISTOMERUS** CurtisSubgenus **Pristomerus** Curtis

*Pristomerus* Curtis, Brit. Ent., 1836, 13: 624.

Genotype: *Ichneumon vulnerator* Panzer.

*Pristomeridia* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100.

Genotype: (*Porizon agilis* Cresson) = *euryptychiae* Ashmead.

**Pristomerus (Pristomerus) baumhoferi** Cushman

*Pristomerus* sp. Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331. [host *a*, Neb.]

*Pristomerus baumhoferi* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 9.

♂, ♀. [o.d., host *a*, Halsey, Neb. (U.S.N.M.)]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

**Pristomerus (Pristomerus) euryptychia** Ashmead

*Porizon? agilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♀. [o.d., Bosque Co., Tex. (U.S.N.M.)] Preoccupied by Holmgren, 1858.

*Pristomerus euryptychia* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192.

[o.d., host *d*, D.C. (U.S.N.M.)]

*Pristomeridia agilis* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 100. [syn.]

*Pristomerus euryptychia* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.]

*Pristomeridia agilis* Brooks, Bull. W.Va. Agr. Exp. Sta., 1910, 126: 116. [W.Va.]

*Pristomerus euryptychia* Brues, Psyche, 1911, 18: 23. [key, fig.]

*Ichneumonidae* sp. Franklin and Morse, Bull. Mass. Agr. Exp. Sta., 1914, 150: 56. [biol., host *b*, Mass.]

*Pristomeridia agilis* Franklin, Bull. Mass. Agr. Exp. Sta., 1915, 160: 109. [biol., host *b*, Mass.]

*Pristomeridia agilis* Franklin, Bull. Mass. Agr. Exp. Sta., 1916, 168: 39–40. [biol., host *b*, Mass.]

*Pristomeridia agilis* Franklin, Bull. Mass. Agr. Exp. Sta., 1917, 180: 229. [biol., host *b*, Mass.]

*Pristomerus (Pristomerus) agilis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 278. [key, syn., des., host *a*, Md., Mass., Tex.]

*Pristomerus agilis* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *e*, Tenn.]

*Pristomerus agilis* Webb, Jour. Econ. Ent., 1937, 30: 861. [host *c*, Ga.]

*Pristomerus agilis* Webb and Alden, Jour. Econ. Ent., 1940, 33: 434. [host *c*]

*Pristomerus agilis* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

PHYCITIDAE: *a*, *Acrobasis caryivorella*; *b*, *Mineola vaccinii*. OLETHREUTIDAE: *c*, *Carpocapsa pomonella*; *d*, *Epiblema scudderiana*; *e*, *Grapholitha molesta*.

**Pristomerus (Pristomerus) laticeps** Cushman

*Pristomerus (Pristomerus) laticeps* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♀. [key, o.d., Falls Church, Va. (U.S.N.M.)]

*Pristomerus (Pristomerus) ideii* Viereck, Canad. Ent., 1925, 57: 74. ♀. [o.d., Black Rapids, Rideau River, Ont. (C.N.C.)] New synonymy.

**Pristomerus (Pristomerus) minutus** Cushman

*Pristomerus (Pristomerus) minutus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 279. ♀. [key, o.d., Los Angeles Co., Calif. (U.S.N.M.)]

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**Pristomerus (Pristomerus) ocellatus** Cushman

- Pristomerus (Pristomerus) ocellatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 277. ♂, ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.), Kans., Ky., Md., Pa.]
- Pristomerus ocellatus* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]
- Pristomerus ocellatus* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*, Ind., N.J., Ohio, Pa.]
- Pristomerus ocellatus* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]
- Pristomerus ocellatus* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]
- Pristomerus ocellatus* Haeussler, Jour. Agr. Res., 1930, 41: 376. [host *d*, N.J.]
- Pristomerus ocellatus* Driggers, Ann. Rpt. N.J. Agr. Exp. Sta., 1931, 51: 158. [host *d*, N.J.]
- Pristomerus ocellatus* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 75, 79. [host *d*, Tenn.]
- Pristomerus ocellatus* McConnell, Jour. Econ. Ent., 1932, 25: 268. [host *d*, Md.]
- Pristomerus ocellatus* Driggers, Jour. N.Y. Ent. Soc., 1932, 40: 492. [host *d*, N.J.]
- Pristomerus ocellatus* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]
- Pristomerus ocellatus* Allen, Jour. Econ. Ent., 1932, 25: 365. [host *d*, Ga.]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 986. [Tenn.]
- Pristomerus ocellatus* Montgomery, Canad. Ent., 1933, 65: 189. [host *c*, Ind.]
- Pristomerus ocellatus* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 52. [host *d*, Ohio]
- Pristomerus ocellatus* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]
- Pristomerus ocellatus* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]
- Pristomerus ocellatus* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]
- Pristomerus ocellatus* McConnell, Bull. Md. Agr. Exp. Sta., 1934, 364: 441. [host *d*, Md.]
- Pristomerus ocellatus* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *d*, Ont.]
- Pristomerus ocellatus* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 12-41. [fig., biol., host *c d*, Del.]
- Pristomerus oscellatus* (!) Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27. [host *a c d*, Ohio]
- Pristomerus ocellatus* Rice, Jour. Econ. Ent., 1937, 30: 112. [biol., host *c*, Del.]
- Pristomerus ocellatus* Marshall and Musgrave, Canad. Ent., 1937, 69: 102. [host *b*, Ind.]
- Pristomerus ocellatus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]
- Pristomerus ocellatus* Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *d*, Va.]
- Pristomerus ocellatus* Brunson, Jour. Econ. Ent., 1940, 33: 348. [host *d*, N.J.]



*Pristomerus ocellatus* Allen, Holloway, and Haeussler, Cir. U. S. Dept. Agr., 1940, 561: 12, 58. [biol., host *c d*, N.J., Tenn.]

*Pristomerus ocellatus* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*, Del.]

OLETHREUTIDAE: a, *Ancylys complana*; b, *Epiblema otiosana*; c, *Epiblema strenuana*; d, *Grapholitha molesta*.

***Pristomerus* (*Pristomerus*) *olamonus* Viereck**

*Pristomerus aciculatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.] Nomen nudum.

*Pristomerus olamonus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 274. ♀. [o.d., Rockville, Conn. (Conn. Agr. Exp. Sta.)]

*Pristomerus* (*Pristomerus*) *fuscipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. ♂, ♀. [key, o.d., Onaga, Kans. (U.S.N.M.), D.C., N.Y.] New synonymy.

*Pristomerus* (*Pristomerus*) *olamonus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 276. [key, des.]

*Pristomeridea fuscipennis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

*Pristomerus fuscipennis* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]

Subgenus ***Neopristomerus* Viereck**

*Neopristomerus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592.

Genotype: *Pristomerus appalachianus* Viereck.

***Pristomerus* (*Neopristomerus*) *appalachianus* Viereck**

*Pristomerus appalachianus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 298. ♂, ♀. [o.d., Norton Co., Kans., 3200 ft. and Sedgwick Co. near Wichita, Kans. (Univ. Kans.)]

*Pristomerus appalachianus* var. *dorsocastaneus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♂, ♀. [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.

*Pristomerus texanus* Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 36. [host *b*] Nomen nudum.

*Pristomerus appalachianus* Brues, Psyche, 1911, 18: 23. [key]

*Neopristomerus appalachianus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 592. [syn.]

*Neopristomerus appalachianus* var. *dorsocastaneus* Viereck, Proc. U. S. Nat. Mus., 1912, 43: 593. [host *c*]

*Pristomerus* (*Neopristomerus*) *appalachianus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 280. [key, syn., host *a b c d*, Kans., La., N.M., Okla., Tex.]

*Neopristomerus appalachianus* var. *dorsocastaneus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1925, 55: 102. [Alta.]

*Neopristomerus appalachianus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *b c d*, Tex.]

*Neopristomerus appalachianus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 65. [biol., host *c*, Tex.]

*Neopristomerus appalachianus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 39. [biol., host *b c*, Tex.]

*Neopristomerus appalachianus dorsocastaneus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

*Neopristomerus dorsocastaneus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

*Pristomerus appalachianus* var. *dorsocastaneus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

PYRAUSTIDAE: a, *Loxostege* sp. PHALAENIDAE: b, *Laphygma exigua*; c, *Laphygma frugiperda*; d, *Prodenia* sp.

***Pristomerus* (*Neopristomerus*) *coloradensis* Brues**

*Pristomerus coloradensis* Brues, Psyche, 1911, 18: 23. ♀. [key, o.d., fig., Florissant, Colo. (Brues Coll.)]

*Pristomerus* (*Neopristomerus*) *coloradensis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274. [key]

***Pristomerus* (*Neopristomerus*) *melleus* Cushman**

*Pristomerus* (*Neopristomerus*) *melleus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 279. ♂, ♀. [key, o.d., host *a b*, Washington, D.C. (U.S.N.M.), N.C., S.C.]

*Pristomerus Bollowi* Enderlein, Ent. Ztschr., 1921, 82: 9. ♂. [o.d., "New York" (Stettin Mus.)] New synonymy.

GELECHIIDAE: a, "*Gelechia*" sp. PHYCITIDAE: b, *Elasmopalpus lignosellus*.

***Pristomerus* (*Neopristomerus*) *pacificus* Cresson**

*Pristomerus pacificus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 370. ♀. [o.d., Calif. (A.N.S.P.)]

*Pristomerus pacificus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Pristomerus pacificus* Brues, Psyche, 1911, 18: 23. [key, fig.]

*Pristomerus* (*Neopristomerus*) *pacificus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274. [key]

***Pristomerus* (*Neopristomerus*) *woodworthi* (Viereck) new combination**

*Neopristomerus woodworthi* Viereck, Ent. News, 1921, 32: 172. ♂, ♀. [o.d., Berkeley, Calif. (Calif. Acad. Sci.)]

**ZALEPTOPYGUS** Viereck

*Zaleptopygus* Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294.

Genotype: (*Zaleptopygus oberea* Viereck) = *orbis* Davis.

*Neocremastus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 504, 509. New synonymy.

Genotype: *Porizon stigmaterus* Cresson.

**Zaleptopygus aciculatus** (Davis)

*Cremastus aciculatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂. [o.d., Mich. (A.N.S.P.)]

*Cremastus aciculatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

*Cremastus* (*Zaleptopygus*) *aciculatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

**Zaleptopygus albipennis** (Cresson)

*Porizon albipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d., Colo. (A.N.S.P.)]

*Porizon albipennis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 548. [des.]

*Cremastus* (*Zaleptopygus*) *albipennis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 283. [des.]

**Zaleptopygus anomalus** (Cushman)

*Cremastus* (*Zaleptopygus*) *anomalus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 542. ♀. [key, o.d., Colo. (U.S.N.M.)]

**Zaleptopygus audax** (Cresson)

*Porizon audax* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂. [o.d., Tex. (A.N.S.P.)]

*Cremastus audax* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 338. [des.]

*Cremastus* (*Zaleptopygus*) *audax* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 543. ♂. [key, des.]

**Zaleptopygus bilineatus** (Cushman)

*Cremastus* (*Zaleptopygus*) *bilineatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 545. ♂, ♀. [key, o.d., Clementon, N.J. (U.S.N.M.)]

**Zaleptopygus brunneipennis** (Walley)

*Cremastus* (*Zaleptopygus*) *brunneipennis* Walley, Canad. Ent., 1933, 65: 253. ♂, ♀. [o.d., Chatham, Ont. (C.N.C.)]

**Zaleptopygus californicus** (Provancher) new combination

*Porizon Californicum* Provancher, Addit. Faune Canada, Hymén., 1888, p. 364.

♂. [o.d., host a, Los Angeles, Calif. (M.P.Q.)]

TINEIDAE: a, tineid.

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**Zaleptopygus champlaini** (Cushman)

*Cremastus* (*Zaleptopygus*) *champlaini* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 22. ♂, ♀. [o.d., host *a*, Rockville, Pa. (U.S.N.M.)]

CERAMBYCIDAE: *a*, *Elaphidion* sp.

**Zaleptopygus cleridivorus** (Cushman)

*Cremastus* (*Zaleptopygus*) *cleridivorus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 534. ♀. [key, o.d., host *a*, Kanawha Station, W.Va. (U.S.N.M.), Kans., N.C.]

*Zaleptopygus cleridivorus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

CLERIDAE: *a*, *Enoclerus quadriguttatus*.

**Zaleptopygus delicatus** (Cresson)

*Porizon?* *delicatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♂. [o.d., Bosque Co., Tex. (U.S.N.M.)]

*Cremastus delicatus* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

*Cremastus* (*Zaleptopygus*) *delicatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂. [key, des.]

*Porizon delicatus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

**Zaleptopygus dorcaschetae** (Cushman)

*Cremastus* (*Zaleptopygus*) *dorcaschetae* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 287. ♂, ♀. [o.d., host *a*, ?Syracuse, N.Y. (U.S.N.M.)]

*Cremastus dorcaschetae* Blackman and Stage, Tech. Pub. N.Y. State Col. Forestry, 1924, 17: 182. [biol., host *a*, N.Y.]

CERAMBYCIDAE: *a*, *Dorcascheta nigrum*.

**Zaleptopygus egregiacolor** (Viereck) new combination

*Thersilochus egregiacolor* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 302. ♀. [o.d., Morton Co., Kans., 3200 ft. (Univ. Kans.)]

*Cremastus* (*Zaleptopygus*) *terebratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 539. ♀. [key, o.d., Boulder, Colo. (U.S.N.M.)] New synonymy.

**Zaleptopygus flavo-orbitalis** (Cameron) new combination

*Tarytia flavo-orbitalis* Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17, no. 3: 589. ♀. [o.d., Dusa, India (?British Mus.)]

*Cremastus flavoorbitalis* Cushman, Proc. Ent. Soc. Wash., 1933, 35: 73. [key, syn., des., Australian and Oriental regions, Hawaii, Japan]

*Cremastus flavoorbitalis* Bradley and Burgess, Tech. Bull. U. S. Dept. Agr., 1934, 441: 1-15. [des., fig., biol., host *a b*, Hawaii, Mass., Ohio, Orient, R.I.]

*Cremastus flavo-orbitalis* Peck, Canad. Jour. Res., 1937, D, 15: 245-247. [fig. ♂ genitalia]

*Cremastus flavoorbitalis* Baker and Bradley, Jour. Econ. Ent., 1938, 31: 346.  
[host *a*, Mass., Va.]

*Cremastus flavoorbitalis* Jones, Walker, and Anderson, Bull. Va. Truck Exp. Sta.,  
1939, 102: 1645. [host *a*, Va.]

PYRAUSTIDAE: *a*, *Pyrausta nubilalis*. Miscellaneous: *b*, many exotic Lepidoptera.

***Zaleptopygus fuscipennis* (Cresson)**

*Porizon fuscipennis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 287. ♀. [o.d.,  
Colo. (A.N.S.P.)]

*Cremastus (Zaleptopygus) fuscipennis* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 543. [key, Kans.]

***Zaleptopygus gallaecola* (Cushman)**

*Cremastus (Zaleptopygus) gallaecola* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 546. ♂, ♀. [key, o.d., host *a*, East Falls Church, Va. (U.S.N.M.)]

GELECHIIDAE: *a*, *Gnorimoschema gallaesolidaginis*.

***Zaleptopygus granulatus* (Davis)**

*Cremastus granulatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀.  
[o.d., Agricultural College, Mich. (A.N.S.P.)]

*Cremastus granulatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

*Cremastus (Zaleptopygus) granulatus* Cushman, Proc. U. S. Nat. Mus., 1920,  
58: 284. [des., type designation]

***Zaleptopygus hartii* (Ashmead)**

*Cremastus hartii* Ashmead, Bull. Ill. Lab. Nat. Hist., 1895, 4: 271, 277. ♂, ♀.  
[o.d., fig., Quiver Lake, Havana, Ill. (Ill. Nat. Hist. Surv.)]

*Cremastus hartii* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Cremastus hartii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 549. [des.]

*Cremastus hartii* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]

*Cremastus (Zaleptopygus) hartii*, Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
1928, 101: 958. [N.Y.]

*Cremastus (Zaleptopygus) hartii* Cushman, Proc. U. S. Nat. Mus., 1930, 76,  
art. 25: 11. ♂, ♀. [des.]

***Zaleptopygus hyalinipennis* (Cresson)**

*Porizon hyalinipennis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀.  
[o.d., Bosque Co., Tex. (A.N.S.P.)]

*Porizon hyalinipennis* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Cremastus hyalinipennis* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339.  
[Tex.]

*Cremastus (Zaleptopygus) hyalinipennis* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 546. [key]

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**Zaleptopygus incompletus** (Provancher)

- Mesoleptus incompletus* Provancher, Nat. Canad., 1875, 7: 270, 272. ♂, ♀.  
[key, o.d., Que. (M.P.Q.)]  
*Atractodes fusiformis* Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key,  
o.d., Que. (M.P.Q.)]  
*Cremastus fusiformis* Provancher, Nat. Canad., 1879, 11: 184; (Faune p. 376).  
♀. [key, syn., des.]  
*Cremastus fusiformis* Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788).  
[key]  
*Cremastus (Zaleptopygus) incompletus* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 540. [key, syn., des.]  
*Cremastus (Zaleptopygus) incompletus* Cushman, Mem. Cornell Univ. Agr. Exp.  
Sta., 1928, 101: 958. [N.Y.]  
*Zaleptopygus incompletus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
3, no. 2: 106. [Mass.]  
*Cremastus incompletus* Peck, Canad. Jour. Res., 1937, D, 15: 245, 246, 249, 250.  
[fig. ♂ genitalia]  
*Zaleptopygus incompletus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

**Zaleptopygus latithorax** (Cushman)

- Cremastus (Zaleptopygus) latithorax* Cushman, Proc. U. S. Nat. Mus., 1920,  
58: 286. ♀. [o.d., Sabinal, Tex. (U.S.N.M.)]

**Zaleptopygus mellipes** (Provancher) new combination

- Atractodes mellipes* Provancher, Nat. Canad., 1875, 7: 332, 333. ♀. [key,  
o.d., Que. (M.P.Q.)]  
*Cremastus mellipes* Provancher, Nat. Canad., 1879, 11: 185; (Faune p. 377).  
♀. [key, des.]  
*Cremastus mellipes* Provancher, Nat. Canad., 1882, 13: 366; (Faune p. 788).  
[key]  
*Cremastus mellipes* Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich.,  
Mo.]  
*Limneria mellipes* Davis, Proc. Acad. Sci. Phila., 1894, p. 188. [syn.]  
*Limnerium mellipes* Dalla Torre, Cat. Hymen., 1901, 3: 99. [syn.]  
*Proclitus mellipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. [syn.]  
*Cremastus mellipes* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]  
*Proclitus mellipes* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]  
OECOPHORIDAE: *a*, *Agonopteryx pulvipenella*.

**Zaleptopygus mordellistenae** (Cushman)

- Cremastus mordellistenae* Baker, Ent. News, 1895, 6: 29. [host *b*, Colo.]  
Nomen nudum.  
*Cremastus (Zaleptopygus) mordellistenae* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 539. ♂, ♀. [key, o.d., host *b*, Colo. (U.S.N.M.)]

*Zaleptopygus mordellistena* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104.  
[host *a*, Man.]

*Cremastus (Zaleptopygus) mordellistena* Cushman, Proc. U. S. Nat. Mus., 1927,  
72, art. 13: 20. [des., host *c*]

MORDELLIDAE: *a*, *Mordellistena aemula*; *b*, *Mordellistena morula*; *c*, *Mordellistena* sp.

***Zaleptopygus nemoralis* (Davis)**

*Cremastus nemoralis* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.  
[o.d., Mich. (A.N.S.P.)]

*Cremastus nemoralis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

*Cremastus (Zaleptopygus) nemoralis* Cushman, Proc. U. S. Nat. Mus., 1920, 58:  
284. [des.]

***Zaleptopygus nigriclypealis* (Cushman)**

*Cremastus (Zaleptopygus) nigriclypealis* Cushman, Proc. U. S. Nat. Mus., 1917,  
53: 543. ♀. [key, o.d., Las Cruces, N.M. (U.S.N.M.)]

***Zaleptopygus obesus* (Cushman)**

*Cremastus (Zaleptopygus) obesus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 285.  
♀. [o.d., Hyattsville, Md. (U.S.N.M.)]

***Zaleptopygus orbitalis* (Cresson)**

*Porizon orbitalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d.,  
Bosque Co., Tex. (A.N.S.P.)]

*Zaleptopygus orbitalis* Viereck, Proc. U. S. Nat. Mus., 1911, 41: 294. [des.]

*Cremastus orbitalis* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

*Cremastus (Zaleptopygus) orbitalis* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
548. [key, des.]

***Zaleptopygus orbus* (Davis)**

*Leptopygus orbus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 365. ♂, ♀. [o.d.,  
Mich. (A.N.S.P.), Pa.]

*Leptopygas(!) orbus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583.  
[“N.J. district”]

*Zaleptopygus oberea* Viereck, Proc. U. S. Nat. Mus., 1911, 41: 295. ♂, ♀.  
[o.d., host *a*, Chicago, Ill. (U.S.N.M.)] New synonymy.

*Cremastus (Zaleptopygus) oberea* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
548. [key, des.]

*Leptopygus orbus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]

*Cremastus (Zaleptopygus) orbus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 284.  
[des.]

CERAMBYCIDAE: *a*, *Oberea tripunctata*.

**Zaleptopygus plesius** (Cushman)

*Cremastus* (*Zaleptopygus*) *plesius* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., ?Mich. (U.S.N.M.)]

**Zaleptopygus quintilis** (Viereck) new combination

*Thersilochus mimeticus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 300. ♀. [o.d., Sedgwick Co., near Wichita, Kans. (Univ. Kans.)] New synonymy.  
*Thersilochus quintilis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [o.d., Douglas Co., Kans. (Univ. Kans.)]

**Zaleptopygus retiniae** (Cresson)

*Cremastus retiniae* Cresson, Ann. Rpt. U. S. Dept. Agr. for 1879, 1880, p. 238. ♂. [o.d., host c, Ithaca, N.Y. (U.S.N.M.)]  
*Cremastus retiniae* Riley and Howard, Insect Life, 1890, 3: 156. [host a b, Mo., N.Y.]  
*Cremastus retiniae* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 40. [host d, Ohio]  
*Cremastus* (!) *retiniae* (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Temelucha websteri* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J.] Nomen nudum.  
*Temelucha retiniae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.J., N.Y.]  
*Cremastus retiniae* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [syn.]  
*Cremastus* (!) *retiniae* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.]  
*Cremastus retiniae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277. [key]  
*Cremastus* (*Zaleptopygus*) *retiniae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. [key, des., D.C., Md., Va.]  
*Cremastus retiniae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]  
*Cremastus* (*Zaleptopygus*) *retiniae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

GELECHIIDAE: a, *Frumenta mundinella*. OLETHREUTIDAE: b, *Petrova comstockiana*; c, *Rhyacionia rigidana*. CRAMBIDAE: d, ?*Crambus* sp.

**Zaleptopygus rohweri** (Cushman)

*Cremastus* (*Zaleptopygus*) *rohweri* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 541. ♀. [key, o.d., Mount Union, Pa. (U.S.N.M.)]

**Zaleptopygus rosae** (Cushman)

*Cremastus* (*Zaleptopygus*) *rosae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 536. ♀. [key, o.d., Vienna, Va. (U.S.N.M.)]



**Zaleptopygus rostratus** (Cushman)

*Cremastus (Zaleptopygus) rostratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532. ♀. [key, o.d., New York, N.Y. (U.S.N.M.)]

**Zaleptopygus similis** (Cushman)

*Cremastus (Zaleptopygus) similis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 535. ♀. [key, o.d., Collins, Ida. (U.S.N.M.)]

*Zaleptopygus similis* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

**Zaleptopygus snowi** (Viereck) new combination

*Thersilochus snowi* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 299. ♀. [o.d., Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

**Zaleptopygus stigmaterus** (Cresson) new combination

*Porizon stigmaterus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 174. ♂, ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Cremastus stigmaterus* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]

*Neocremastus stigmaterus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 509. [des.]

**Zaleptopygus tetralophae** (Cushman)

*Cremastus (Zaleptopygus) tetralophae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 537. ♂, ♀. [key, o.d., host *a*, Monticello, Fla. (U.S.N.M.)]

*Cremastus tetralophae* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

EPIPASCHIIDAE: *a*, *Tetralopha subcanalis*.

**Zaleptopygus vierecki** (Cockerell)

*Porizon vierecki* Cockerell, Ann. Mag. Nat. Hist., 1903, (7), 12: 200. ♂. [o.d., Arroya 10 miles west of La Luz, N.M. (U.S.N.M.)]

*Porizon vierecki* Cockerell, Canad. Ent., 1905, 37: 362. [des.]

*Cremastus (Zaleptopygus) viereckii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 544. [key, des.]

**PSEUDERIPTERNUS** Viereck

*Pseuderipternus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 268, 269.  
Genotype: *Podogaster radiolatus* Provancher.

**Pseuderipternus brevicauda** Cushman

*Pseuderipternus brevicauda* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 506. ♂, ♀. [key, o.d., Hanover, N.H. (U.S.N.M.), Canada]

**Pseuderipternus elongatus** (Davis)

*Ateleuti* (!) *elongatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♀. [o.d., Atlantic City, N.J. (A.N.S.P.)]

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- Ateleute elongatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 585. [N.J.]
- Eripterius elongatus* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 638. [syn.]
- Pseuderipternus gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 507. ♂, ♀. [key, o.d., Mass. (U.S.N.M.), N.J.]
- Pseuderipternus gracilipes* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]
- Pseuderipternus elongatus* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 372. [syn.]

***Pseuderipternus radiolatus* (Provancher)**

- Podogaster radiolatus* Provancher, Nat. Canad., 1875, 7: 329. ♀. [o.d., Que. (M.P.Q.)]
- Podogaster radiolatus* Provancher, Nat. Canad., 1879, 11: 183; (Faune p. 375). ♀. [des., Que.]
- Limneria radiolata* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [des.]
- Eripterius primus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.Y.] Nomen nudum.
- Podogaster radiolata* Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]
- Pseuderipternus radiolatus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [key, des., Conn., Mass., N.H., N.Y.]
- Casinaria (Pseuderipternus) radiolata* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 269. ♀. [key, des., Conn.]
- Pseuderipternus radiolatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Casinaria radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]
- Pseuderipternus radiolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

**DOLICHOPSELEPHUS** Ashmead

- Dolichopselephus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23.  
Genotype: *Dolichopselephus cockerelli* Ashmead.

***Dolichopselephus cockerelli* Ashmead**

- Dolichopselephus Cockerelli* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♀. [o.d., Smith's Park, Colo. (U.S.N.M.)]
- Dolichopselephus cockerelli* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 508. [des.]
- Dolichopselephus cockerelli* Walley, Canad. Ent., 1941, 73: 170. [Sask.]

**CREMASTUS** Gravenhorst

*Cremastus* Gravenhorst, Ichneum. Europeae, 1829, 3: 370.

Genotype: *Cremastus spectator* Gravenhorst.

*Temelucha* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Temelucha plutellae* Ashmead.

*Neleothymus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 200.

New synonymy.

Genotype: *Neleothymus*? *rufo-ornatus* Cameron. By present designation.

*Paurolexis* Cameron, Jour. Bombay Nat. Hist. Soc., 1906, 17: 282.

Genotype: *Paurolexis flavus* Cameron.

*Tarytia* Cameron, Jour. Bombay Nat. Hist. Soc., 1907, 17: 588.

Genotype: *Tarytia basimacula* Cameron.

*Cremastidea* Viereck, Proc. U. S. Nat. Mus., 1912, 13: 587.

Genotype: *Cremastidea chinensis* Viereck.

**Cremastus attenuatus** Cushman

*Cremastus* (*Zaleptopygus*) *attenuatus* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

286. ♂, ♀. [o.d., Victoria, Tex. (U.S.N.M.)]

**Cremastus brevicauda** Cushman

*Cremastus* (*Cremastus*) *brevicauda* Cushman, Proc. U. S. Nat. Mus., 1917, 53:

528. ♂, ♀. [key, o.d., Bernadillo Co., N.M. (U.S.N.M.)]

**Cremastus brevinervis** Cushman

*Cremastus* (*Cremastus*) *brevinervis* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

282. ♀. [o.d., Globe, Ariz. (U.S.N.M.)]

**Cremastus brevipetiolus** Cushman

*Cremastus* (*Cremastus*) *brevipetiolus* Cushman, Proc. U. S. Nat. Mus., 1917, 53:

525. ♂, ♀. [key, o.d., Rosslyn, Va. (U.S.N.M.)]

**Cremastus brunneiceps** Cushman

*Cremastus* (*Cremastus*) *brunneiceps* Cushman, Proc. U. S. Nat. Mus., 1920, 58:

283. ♀. [o.d., Washington, D.C. (U.S.N.M.)]

**Cremastus carpocapsae** Cushman

*Cremastus carpocapsae* Cushman, Proc. U. S. Nat. Mus., 1930, 76: 11. ♂, ♀.

[o.d., host a, Lawrence Co., Ohio (U.S.N.M.)]

*Cremastus carpocapsae* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26.

[host b, Ohio]

OLETHREUTIDAE: a, *Carpocapsa pomonella*; b, *Grapholitha molesta*.

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**Cremastus chilonis** Cushman

*Cremastus chilonis* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 562. ♂, ♀.  
[o.d., host *a*, Douglas Lake, Cheboygan Co., Mich. (U.S.N.M.)]

*Cremastus chilonis* Frohne, Trans. Amer. Micros. Soc., 1939, 58: 233, 325, 347.  
[biol., host *a b*, Mich.]

CRAMBIDAE: *a*, *Chilo forbesellus*, *b*, *Occidentalia comptulatalis*.

**Cremastus cookii** Weed

*Cremastus cookii* Weed, Ent. Amer., 1888, 4: 150. ♂, ♀. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.), Mich.]

*Cremastus cookii* var. *rufus* Weed, Ent. Amer., 1888, 4: 151. ♂. [o.d., host *a*, Anna, Ill. (Ill. Nat. Hist. Surv.)] New synonymy.

*Cremastus cookii* Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mich.]

*Temelucha cookii* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.  
[host *a*]

*Cremastus cooki* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 617. [host *a*, N.J.]

*Cremastus* (*Cremastus*) *cookii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.  
[key, des., Ky., Mich., N.J.]

*Cremastus cooki* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 277.  
[key]

*Cremastus cookii* Fink, Jour. Agr. Res., 1932, 44: 555, 556. [biol., host *a*, N.J.]

*Cremastus cookii* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 29-42.  
[fig., biol., host *a*, Del.]

*Cremastus cookii* Knowlton, Jour. Econ. Ent., 1937, 30: 379-380. [host *b*, Ut.]

*Cremastus cookii* Neiswander, Jour. Econ. Ent., 1938, 31: 383. [host *a*, Ohio]

*Cremastus cookii* Summerland, Trans. Kans. Acad. Sci., 1938, 40: 165. [biol., host *a*, Kans.]

*Cremastus cookii* Parker and Lamerson, Bienn. Rpt. Dir. Kans. Agr. Exp. Sta., 1938, 9: 109. [host *a*, Kans.]

*Cremastus cookii* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [host *a*, Ut.]

OLETHREUTIDAE: *a*, *Ancylis comptana*; *b*, *Ancylis comptana fragariae*.

**Cremastus decoratus** Gravenhorst

*Cremastus decoratus* Gravenhorst, Ichneum. Europeae, 1829, 3: 734. ♂, ♀.  
[o.d., "circa Genuam, in Tauria et Regione Pedemontana," (Italy) (?Breslau Mus.)]

*Cremastus* (*Cremastus*) *decoratus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. [key, syn., des., host *a*, N.Y.]

*Cremastus* (*Cremastus*) *decoratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *a*, N.Y.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

**Cremastus epagoges** Cushman

*Cremastus* (*Cremastus*) *epagoges* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 531.

♂, ♀. [key, o.d., host *c*, Nashville, Tenn. (U.S.N.M.)]

*Cremastus epagoges* Dickerson and Weiss, Jour. N.Y. Ent. Soc., 1920, 28: 44.

[host *a*, N.J.]

*Cremastus epagoges* Isely and Ackerman, Bull. Univ. Ark. Agr. Exp. Sta., 1923,

189: 47. [biol., host *d*, Ark.]

*Cremastus epagoges* Cushman, Jour. Agr. Res., 1927, 34: 618. [biol., host *c* g]

*Cremastus epagoges* Graph and Baumhofer, Jour. Agr. Res., 1927, 35: 331.

[host *h*, Neb.]

*Cremastus epagoges* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 22-41.

[biol., host *e* f, Del.]

*Cremastus epagoges* Putman, Canad. Ent., 1935, 67: 107. [host *e*, Ont.]

*Cremastus epagoges* Hoffman, Bull. Brooklyn Ent. Soc., 1936, 31: 211. [host *b*,

Minn.]

*Cremastus epagoges* Rice, Jour. Econ. Ent., 1937, 30: 108-115. [biol., host *e*,

Del.]

*Cremastus epagoges* Putman, Canad. Ent., 1938, 70: 90. [host *e*, Ont.]

*Cremastus epagoges* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *f*,

Del.]

MOMPHIDAE: *a*, *Cyphophora eloisella*. TORTRICIDAE: *b*, *Archips cerasivorana*; *c*, *Sparganothis sulfureana*. OLETHREUTIDAE: *d*, *Carpocapsa pomonella*; *e*, *Epiblema strenuana*; *f*, *Grapholitha molesta*; *g*, *Rhyacionia frustrana*; *h*, *Rhyacionia frustrana bushnelli*.

**Cremastus evetriae** Cushman

*Cremastus* (*Cremastus*) *evetriae* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 530.

♀. [key, o.d., host *a*, Fort Bayard, N.M. (U.S.N.M.)]

*Cremastus evetriae* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters,

1939, 16: 61. [Ut.]

OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

**Cremastus facilis** (Cresson)

*Porizon facilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d.,

Bosque Co., Tex. (A.N.S.P.)]

*Porizon macer* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 175. ♂, ♀. [o.d.,

Bosque Co., Tex. (A.N.S.P.)]

*Temelucha fascialis* (!) Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.

[N.J.]

*Temelucha macer* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584.

[N.J.]

*Porizon facilis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 221. [des., Tex.]

*Temelucha* (*Porizon*) *macer* Chittenden and Marsh, Bull. U. S. Dept. Agr. Bur.

Ent., 1912, 109: 31. [host *c*]

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- Cremastus facialis* (!) Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]  
*Cremastus macer* Morley, Ann. Mag. Nat. Hist., 1915, (8), 16: 339. [syn.]  
*Cremastus* (*Cremastus*) *facilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 527.  
 [key, syn., des., Ala., D.C., Ia., Kans., N.C., N.M., Ohio, Pa., Tex., Va.]  
*Zemelucha* (!) (*Porizon*) *facialis* (!) Chittenden, Jour. Econ. Ent., 1918, 11: 456.  
 [host e]  
*Cremastus facilis* Ainslie, Jour. Agr. Res., 1921, 20: 843. [host d]  
*Cremastus facilis* Franklin, Bull. Mass. Agr. Exp. Sta., 1921, 206: 159. [biol.,  
 host b, Mass.]  
*Porizon macer* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]  
*Cremastus facilis* Bottimer, Jour. Agr. Res., 1926, 33: 808. [host a, Tex.]  
*Cremastus* (*Cremastus*) *facilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta.,  
 1928, 101: 958. [N.Y.]

GELECHIIDAE: a, *Isophrictis similiella*. CRAMBIDAE: b, *Crambus topiarius*. PY-  
 RAUSTIDAE: c, *Hellula undalis*; d, *Pyrausta ainsliei*; e, *Pyrausta penitalis*.

### ***Cremastus ferrugineus* Davis**

- Cremastus ferrugineus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 364. ♂, ♀.  
 [o.d., Algonquin, Ill. (A.N.S.P.)]  
*Atrometus angitioides* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 311. ♀.  
 [o.d., Douglas Co., Kans. (Univ. Kans.)] New synonymy.  
*Cremastus* (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
 520. [key, des.] Misdetermined, according to Cushman 1920.  
*Cremastus* (*Cremastus*) *graciliventr*is Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
 522. ♀. [key, o.d., Washington, D.C. (U.S.N.M.), Fla., Ill., Ohio, Pa.,  
 Va.] New synonymy.  
*Cremastus* (*Cremastus*) *ferrugineus* Cushman, Proc. U. S. Nat. Mus., 1920, 58:  
 282. [des.]  
*Cremastus* (*Cremastus*) *graciliventr*is Bradley, Bull. Lloyd Libr., 1926, 27: 172.  
 [N.Y.]  
*Cremastus* (*Cremastus*) *graciliventr*is Cushman, Mem. Cornell Univ. Agr. Exp.  
 Sta., 1928, 101: 958. [N.Y.]  
*Cremastus graciliventr*is Johnson, Pub. Nantucket Maria Mitchell Ass., 1930,  
 3, no. 2: 106. [Mass.]  
*Cremastus graciliventr*is Cartwright, Bull. S.C. Exp. Sta., 1934, 294: 27. [host a,  
 S.C.]  
*Cremastus ferrugineus* Brimley, Insects of N.C., 1938, p. 416. [N.C.]  
 CRAMBIDAE: a, *Diatraea crambidoides*.

### ***Cremastus flaviceps* Cushman**

- Cremastus* (*Cremastus*) *flaviceps* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
 521. ♂, ♀. [key, o.d., host a, Grand Junction, Colo. (U.S.N.M.), Tex.]  
 COCCIDAE: a, *Pulvinaria bigeloviae*.

**Cremastus forbesi** Weed

*Cremastus forbesi* Weed, Bull. Ill., State Lab. Nat. Hist., 1887, 3: 42. ♀.  
[o.d., host *e*, (Urbana, Ill.) (Ill. Nat. Hist. Surv.)]

*Temelucha forbesii* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Cremastus* (*Cremastus*) *forbesii* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 532.  
[key, des., host *b c g i*, Colo., Conn., Mich., N.J.]

*Cremastus forbesii* Ingerson, Bull. U. S. Dept. Agr., 1918, 599: 12. [host *c*, Mich.]

*Cremastus forbesii* Frost, Bull. Pa. Agr. Exp. Sta., 1925, 197: 25. [host *d*, Pa.]

*Cremastus forbesii* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *h*, N.J.]

*Cremastus forbesii* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Cremastus* (*Cremastus*) *forbesii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [host *b c d*, N.Y.]

*Cremastus forbesii* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]

*Cremastus forbesii* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *h*, Ohio]

*Cremastus forbesii* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *h*, N.J.]

*Cremastus forbesii* Haeussler, Jour. Agr. Res., 1930, 41: 372. [host *h*, N.J.]

*Cremastus forbesii* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17.  
[host *h*, N.Y.]

*Cremastus forbesii* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67. [host *h*, Ont.]

*Cremastus forbesii* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *h*, Mich.]

*Cremastus forbesii* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71.  
[host *h*, Ont.]

*Cremastus forbesii* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 16-35.  
[biol., host *h*, Del.]

*Cremastus forbesii* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 27. [host *h*, Ohio]

*Cremastus forbesii* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 418. [host *a*]

*Cremastus forbesii* Putman, Canad. Ent., 1938, 70: 90. [host *f*, Ont.]

*Cremastus forbesii* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *h*, Del.]

*Cremastus forbesii* Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *h*, Mo.]

COLEOPHORIDAE: *a*, *Coleophora salmani*. GELECHIIDAE: *b*, *Aroga trialbamaculella*; *c*, *Filatima persicaeella*. TORTRICIDAE: *d*, *Argyrotaenia velutinana*; *e*, *Peronea minuta*. OLETHREUTIDAE: *f*, *Epiblema strenuana*; *g*, *Episimus argutatus*; *h*, *Grapholitha molesta*; *i*, *Rhopopota naevana*.

**Cremastus gracilipes** Cushman

*Cremastus* (*Cremastus*) *gracilipes* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 520. ♀. [key, o.d., host *c*, East Marsh, D.C. (U.S.N.M.)]

*Cremastus gracilipes* Champlain, Psyche, 1922, 29: 97. [host *c*, Pa.]

*Cremastus gracilipes* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 10. ♂, ♀. [des., host *b c*, N.J., Pa., Tex.]

*Cremastus gracilipes* Haden, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 35. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Epiblema strenuana*; *b*, *Grapholitha molesta*. PYRAUSTIDAE: *c*, *Dicymolomia julianalis*.

**Cremastus gracilis** Cushman

*Cremastus* (*Cremastus*) *gracilis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 519.

♀. [key, o.d., Lexington, Ky. (U.S.N.M.)]

**Cremastus grapholithae** Cushman

*Cremastus grapholithae* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 561. ♂, ♀. [o.d., host *a*, Harriman, Tenn. (U.S.N.M.)]

*Cremastus grapholithae* Bobb, Jour. Econ. Ent., 1939, 32: 606. [host *a*, Va.]

*Cremastus grapholithae* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *a*, Del.]

OLETHREUTIDAE: *a*, *Grapholitha molesta*.

**Cremastus hamiltonensis** (Viereck) new combination

*Thersilochus hamiltonensis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 301. ♂. [Hamilton Co., Kans., 3350 ft. (Univ. Kans.)]

**Cremastus interruptor** Gravenhorst

*Cremastus interruptor* Gravenhorst, Ichneum. Europeae, 1829, 3: 736. ♂, ♀. ["circa Norimbergam et circa Sickershausen," (Germany) (?Breslau Mus.)]

*Cremastus interruptor* Wier, Rpt. Minister Agr. Canada for 1932, 1932, p. 178. [Ont.]

*Cremastus interruptor* Sheppard, Ann. Rpt. Ent. Soc. Ont., 1933, 63: 61. [host *a*, Ont.]

*Cremastus interruptor* Dowden and Berry, Jour. Econ. Ent., 1938, 31: 459. [host *a*, Conn., N.J., N.Y.]

*Cremastus interruptor* Friend, Plumb, and Hicock, Jour. Econ. Ent., 1938, 31: 511. [host *a*, Conn.]

OLETHREUTIDAE: *a*, *Rhyacionia buoliana*.

**Cremastus longigenalis** Cushman

*Temelucha scutellata* Slosson, Ent. News, 1900, 11: 320. [N.H.] Nomen nudum.



- Cremastus (Cremastus) longigenalis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 516. ♀. [key, o.d., Mt. Washington, N.H., 5000-5500 ft. (U.S.N.M.)]  
*Cremastus longigenalis* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 10. [syn.]

***Cremastus minor* Cushman**

- Cremastus (Cremastus) minor* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 521. ♂, ♀. [key, o.d., host *a b c e*, N.J. (U.S.N.M.), D.C., Ill., Kans., Mich., Pa.]  
*Cremastus minor* Stearns, Ann. Rpt. N.J. Agr. Exp. Sta., 1927, 47: 191. [host *d*, N.J.]  
*Cremastus minor* Smith, Ann. Rpt. Ent. Soc. Ont., 1929, 59: 75, 76, 77. [host *d*, Ont.]  
*Cremastus minor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1929, 60: 126. [host *d*, Ont.]  
*Cremastus minor* Allen and Lott, Proc. Ent. Soc. Wash., 1930, 32: 136. [host *c d*]  
*Cremastus minor* Driggers, Bull. N.J. Agr. Exp. Sta., 1930, 510: 17. [biol., host *d*, N.J.]  
*Cremastus minor* Stearns and Neiswander, Bull. Ohio Agr. Exp. Sta., 1930, 446: 78. [host *d*, Ohio]  
*Cremastus minor* Haeussler, Jour. Agr. Res., 1930, 41: 371, 372. [host *d*, N.J.]  
*Cremastus minor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 59, 60. [host *d*, Ont.]  
*Cremastus minor* Butler, Proc. Ann. Conv. Tenn. Hort. Soc., 1931, 27: 79. [host *d*, Tenn.]  
*Cremastus minor* Daniel, Tech. Bull. N.Y. Agr. Exp. Sta., 1932, 187: 14-17. [host *d*, N.Y.]  
*Cremastus minor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1932, 62: 67, 68, 69. [host *d*, Ont.]  
*Cremastus minor* Merritt, Jour. Econ. Ent., 1933, 26: 789-791. [host *d*, Mich.]  
*Cremastus minor* Montgomery, Canad. Ent., 1933, 65: 189, 190. [host *c*, Ind.]  
*Cremastus minor* Merritt, Quart. Bull. Mich. Agr. Exp. Sta., 1933, 15: 225. [biol., host *d*, Mich.]  
*Cremastus minor* Neiswander and Vogel, Bull. Ohio Agr. Exp. Sta., 1933, 516: 53. [host *d*, Ohio]  
*Cremastus minor* Merritt, Midwest Fruitman Aug.-Sept., 1933, p. 8. [biol., host *d*, Mich.]  
*Cremastus minor* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *d*, Tenn.]  
*Cremastus minor* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *d*, Mich.]  
*Cremastus minor* Pepper and Driggers, Ann. Ent. Soc. Amer., 1934, 27: 596. [biol., host *c*, N.J.]  
*Cremastus minor* Putman, Canad. Ent., 1935, 67: 47-48. [host *c d*, Ont.]  
*Cremastus minor* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 70, 71. [host *d*, Ont.]

*Cremastus minor* Ha en, Bull. Univ. Del. Agr. Exp. Sta., 1935, 194: 14-41.  
[fig., biol., host *c d*, Del.]

*Cremastus minor* Putman, Canad. Ent., 1935, 67: 107. [host *c*, Ont.]

*Cremastus minor* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 25, 27.  
[host *c d*, Ohio]

*Cremastus minor* Peck, Canad. Jour. Res., 1937, D, 15: 245-247, 249, 250.  
[fig. ♂ genitalia]

*Cremastus minor* Rice, Jour. Econ. Ent., 1937, 30: 112, 114. [biol., host *c*, Del.]

*Cremastus minor* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69:  
72. [biol., host *d*, Ont.]

*Cremastus minor* Reinhard, Bull. Tex. Agr. Exp. Sta., 1938, 559: 31. [host *f*,  
Tex.]

*Cremastus minor* Putman, Canad. Ent., 1938, 70: 90. [host *c*, Ont.]

*Cremastus minor* Stearns and Amos, Jour. Econ. Ent., 1941, 34: 247. [host *d*,  
Del.]

*Cremastus minor* Wingo, Bull. Mo. Agr. Exp. Sta., 1941, 424: 10. [host *d*, Mo.]

GELECHIIDAE: a, "*Gelechia*" sp., b, *Gnorimoschema axenopis*. OLETHREUTIDAE:  
*c*, *Epiblema strenuana*; d, *Grapholitha molesta*; e, *Rhobopota naevana*. NOLIDAE: f,  
*Celama sorghiella*.

#### ***Cremastus platynotae* Cushman**

*Cremastus* (*Cremastus*) *platynotae* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
526. ♂, ♀. [key, o.d., host *a*, Tempe, Ariz. (U.S.N.M.)]

TORTRICIDAE: a, *Platynota flavedana*.

#### ***Cremastus protractus* Cushman**

*Cremastus protractus* Cushman, Jour. Wash. Acad. Sci., 1935, 25: 563. ♀.  
[o.d., host *a*, Pullman, Wash. (U.S.N.M.)]

COLEOPHORIDAE: a, *Coleophora* sp. on *Aster eastoni*.

#### ***Cremastus pterophori* Cushman**

*Cremastus pterophori* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 13.  
♂, ♀. [o.d., host *a*, Dane Co., Wis. (U.S.N.M.)]

PTEROPHORIDAE: a, *Oidaematophorus lacteodactylus*.

#### ***Cremastus rectus* Provancher**

*Cremastus rectus* Provancher, Nat. Canad., 1874, 6: 175. ♀. [o.d., Que.  
(M.P.Q.)]

*Cremastus rectus* Provancher, Nat. Canad., 1879, 11: 184; (Faune, p. 376). ♀.  
[key, des., Que.]

*Cremastus rectus* Provancher, Nat. Canad., 1882, 13: 366; (Faune, p. 788).  
[key]

*Cremastus* (*Cremastus*) *longiventris* Cushman, Proc. U. S. Nat. Mus., 1917, 53:  
517. ♀. \* [key, o.d., Vienna, Va. (U.S.N.M.), Mass.] New synonymy.

- Cremastus rectus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 550. [des.]  
*Cremastus rectus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 106. [Mass.]  
*Cremastus longiventris* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Cremastus rhyacioniae* Cushman**

- Cremastus rhyacioniae* Cushman, Proc. U. S. Nat. Mus., 1930, 76, art. 25: 12.  
 ♂, ♀. [o.d., host *a*, *Pactola*, S.D. (U.S.N.M.)]  
 OLETHREUTIDAE: *a*, *Rhyacionia frustrana bushnelli*.

***Cremastus ruficeps* Cushman**

- Cremastus* (*Cremastus*) *ruficeps* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 518.  
 ♀. [key, o.d., Milwaukee, Wis. (U.S.N.M.)]

***Cremastus sinuatus* Cushman**

- Cremastus* (*Cremastus*) *sinuatus* Cushman, Proc. U. S. Nat. Mus., 1926, 67; art. 23: 12. ♂, ♀. [o.d., host *a b*, Coachella Valley, Calif. (U.S.N.M.)]  
 PHYCITIDAE: *a*, *Cactobrosis strigalis*; *b*, *Rumatha glaucatella*.

***Cremastus tortricidis* Cushman**

- Cremastus* (*Cremastus*) *tortricidis* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 528. ♀. [key, o.d., host *a*, Nashville, Tenn. (U.S.N.M.)]  
*Cremastus tortricidis* Eddy and Nettles, Jour. Econ. Ent., 1931, 24: 861. [host *b*, S.C.]  
*Cremastus tortricidis* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]  
*Cremastus tortricidis* Butler, Jour. Econ. Ent., 1933, 26: 985. [host *b*, Tenn.]  
*Cremastus tortricidis* Merritt, Jour. Econ. Ent., 1933, 26: 790. [host *b*, Mich.]  
*Cremastus tortricidis* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *b*, Ohio]  
*Cremastus tortricidis* Steenburgh and Boyce, Ann. Rpt. Ent. Soc. Ont., 1938, 69: 73. [host *b*, Ont.]  
 TORTRICIDAE: *a*, *Sparganothis sulfureana*. OLETHREUTIDAE: *b*, *Grapholitha molesta*.

**AREOLOPRISTOMERUS Cushman**

- Areolopristomerus* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274.  
 Genotype: (*Pristomerus* (*Areolopristomerus*) *smithi* Cushman) = *dubius* Brues.

***Areolopristomerus dubius* (Brues)**

- Pristomeridia?* *dubia* Brues, Psyche, 1911, 18: 24. ♀. [key, o.d., fig., Blue Hills, near Boston, Mass. (Brues Coll.)]  
*Pristomerus* (*Areolopristomerus*) *smithi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 274. ♀. [key, o.d., Pyziton, Ala. (U.S.N.M.)] New synonymy.  
*Pristomerus* (*Areolopristomerus*) *dubia* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 275. [key, des.]

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**EIPHOSOMA** Cresson

*Eiphosoma* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 52.

Genotype: *Eiphosoma annulatum* Cresson.

*Xiphosoma* Marshall, Ann. Ent. Soc. France, 1892, 61: 65. Emendation of *Eiphosoma* Cresson.

*Brachixiphosoma* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. New synonymy.

Genotype: *Eiphosoma pyralidis* Ashmead.

**Eiphosoma bruesi** Cushman

*Eiphosoma* (*Eiphosoma*) *bruesi* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 272.

♀. [key, o.d., Granger, Tex. (U.S.N.M.)]

*Eiphosoma bruesi* Hamlin, Pan-Pacific Ent., 1926, 2: 100. [host *a*, Tex.]

PYRAUSTIDAE: *a*, *Mimorista flavidissimalis*.

**Eiphosoma pyralidis** Ashmead

*Eiphosoma pyralidis* Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, Mo.] Nomen nudum.

*Eiphosoma pyralidis* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 191. ♂. [o.d., host *a*, Kirkwood, Mo. (U.S.N.M.)]

*Eiphosoma pyralidis* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. [des., Kans.]

*Eiphosoma pyralidis* Brues, Psyche, 1911, 18: 21. [key]

*Brachixiphosoma pyralidis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 147. [syn.]

*Eiphosoma pyralidis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 54. [key, des., Mo., "Theresopolis"]

*Brachixiphosoma pyralidis* Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [Mich., N.Y.]

*Eiphosoma* (*Brachixiphosoma*) *pyralidis* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des.]

*Eiphosoma* (*Brachixiphosoma*) *pyralidis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 957. [N.Y.]

*Eiphosoma pyralidis* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRALIDIDAE: *a*, pyralidid on *Solidago* sp.

**Eiphosoma septentrionale** Brues

*Eiphosoma septentrionale* Brues, Psyche, 1911, 18: 22. ♀. [key, o.d., fig., Castle Rock, Pa. (Brues Coll.)]

*Eiphosoma septentrionale* Cockerell, Proc. U. S. Nat. Mus., 1913, 46: 61. [key]

*Eiphosoma* (*Eiphosoma*) *septentrionale* Cushman, Proc. U. S. Nat. Mus., 1920, 58: 271. [key, des., Ala., D.C., Md.]

*Eiphosoma septentrionale* Cushman, Proc. U. S. Nat. Mus., 1931, 79, art. 14: 8.  
[des.]

*Eiphosoma septentrionalis* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

***Eiphosoma texanum* Cresson**

*Eiphosoma texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,  
Comal Co., Tex. (A.N.S.P.)]

*Eiphosoma texana* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Eiphosoma texana* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Eiphosoma texanum* Brues, Psyche, 1911, 18: 22. [key]

*Eiphosoma texana* Hunter, Pratt, and Mitchell, Bull. U. S. Dept. Agr., Bur.  
Ent., 1912, 113: 22. [host a]

*Eiphosoma texana* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 53. [key, des.,  
Brazil, Mexico, Trinidad]

*Eiphosoma (Eiphosoma) texanum* Cushman, Proc. U. S. Nat. Mus., 1920, 58:  
271. [key, des.]

*Eiphosoma texanum* Brimley, Insects of N.C., 1938, p. 416. [N.C.]

PYRAUSTIDAE: a, *Mimorista flavidissimalis*.

Subfamily 11. OPHIONINAE

Tribe 3. TERSILOCHINI

**LEPTOPYGUS Foerster**

*Leptopygus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 148.

Genotype: *Ichneumon harpurus* Schrank.

***Leptopygus angularis* (Provancher) new combination**

*Cremastus angularis* Provancher, Nat. Canad., 1874, 6: 176. ♂. [o.d., Que.  
(M.P.Q.)]

*Mesoleptus micans* Provancher, Nat. Canad., 1875, 7: 114. ♂. [key, o.d.,  
Que. (M.P.Q.)] New synonymy.

*Mesoleptus micans* Provancher, Nat. Canad., 1875, 7: 272. [key]

*Porizon angulare* Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378).  
♂. [key, des., fig.]

*Thersilochus micans* Provancher, Nat. Canad., 1879, 11: 207; (Faune, p. 379).  
♀. [des.]

*Thersilochus micans* Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.  
[key]

*Porizon elongatum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 91.  
♂, ♀. [o.d., Que. (M.P.Q.)] New synonymy.

*Atractodes politus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂, ♀. [o.d.,  
Lee's Cabin, Colo. (U.S.N.M.)] New synonymy.

*Porizon? micans* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

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- Porizon angulare* Davis, Canad. Ent., 1895, 27: 289. [syn.] In part.  
*Porizon angularis* Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.  
*Porizon elongatus* Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.]  
*Atractodes politus* Slosson, Ent. News, 1902, 13: 320. [N.H.]  
*Porizon canaliculatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 92. ♂. [o.d., Beulah, N.M. (U.S.N.M.)] New synonymy.  
*Thersilochus micans* Nason, Ent. News, 1905, 16: 168. [Ill.]  
*Porizon canaliculatus* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Colo.]  
*Leptopygus politus* Cushman, Jour. Wash. Acad. Sci., 1925, 15: 392. [syn.]  
*Leptopygus politus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

**Leptopygus borealis** (Provancher) new combination

- Porizon borealis* Provancher, Nat. Canad., 1877, 9: 14. ♂. [o.d., Que. (M.P.Q.)]  
 ?*Porizon boreale* Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Que. (type lost)] New synonymy.  
*Porizon rugosum* Provancher, Nat. Canad., 1879, 11: 206; (Faune, p. 378). ♀. [key, o.d., Cap Rouge, Que. (M.P.Q.)] New synonymy.  
*Porizon borealis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.  
*Leptopygus monticola* Slosson, Ent. News, 1897, 8: 237. [N.H.] Nomen nudum.  
*Gonolochus rugosum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]  
*Porizon angularis* Dalla Torre, Cat. Hymen., 1901, 3: 47. [syn.] In part.  
*Leptopygus rugosus* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 17. [syn.]

**CRATOPHION** Thomson

- Cratophion* Thomson, Opusc. Ent., 1899, 13: 1363.  
 Genotype: *Porizon gravipes* Gravenhorst.

**Cratophion errabundus** (Provancher) new combination

- Thersilochus errabundus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]  
*Notopygus americana* Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., ?Ottawa, Ont. (C.N.C.)] New synonymy.  
*Porizon borealis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.] In part.  
*Porizon angulare* Davis, Canad. Ent., 1895, 25: 289. [syn.] In part.  
*Porizon americana* Davis, Trans. Amer. Ent. Soc., 1898, 24: 344. [syn.]  
*Cratophion americana* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

**BARYCNEMIS** Foerster

*Barycnemis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: *Porizon claviventris* Gravenhorst.

*Zasternaulax* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. New synonymy.

Genotype: *Zasternaulax simplicicornis* Viereck.

**Barycnemis claviventris** (Gravenhorst)

*Porizon claviventris* Gravenhorst, Ichneum. Europeae, 1829, 3: 755. ♀. [o.d., "circa Hercynia, Berolinum, et Warmbrunn." (Germany) (?Breslau Mus.)]

*Porizon (Barycnemis) claviventris* Thomson, Opusc. Ent., 1889, 13: 1364. ♂, ♀. [des., northern and central Europe]

*Barycnemis slossonae* Slosson, Ent. News, 1906, 17: 324. [N.H.] Nomen nudum.

*Porizon (Barycnemis) laeviceps* Roman, Archiv für Zoologi, 1916, 10, no. 22: 12. ♀. [des., Greenland] Misdeternined.

*Barycnemis slossonae* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 8. ♀. [syn., o.d., alpine region of Mt. Washington, N.H. (U.S.N.M.)] New synonymy.

*Porizon (Barycnemis) claviventris* Roman, Ann. Mag. Nat. Hist., 1930, (10), 5: 288. [syn., Greenland]

**Barycnemis linearis** Ashmead

*Barycnemis linearis* Ashmead, Proc. Ent. Soc. Wash., 1895, 3: 238. ♀. [o.d., Ottawa, Ont. (U.S.N.M.)]

**Barycnemis simplicicornis** (Viereck) new combination

*Zasternaulax simplicicornis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 647. ♂. [o.d., host *a*, Columbia Falls, Mont. (U.S.N.M.)]

CURCULIONIDAE: *a*, *Pissodes* sp.

**TERSILOCHUS** Holmgren

*Tersilochus* Holmgren, Öfvers. Svensk. Vet.-Akad. Förh., 1859, 15: 329.

Genotype: (*Porizon iocator* Gravenhorst) = *iocator* Fabricius.

*Thersilochus* Holmgren, Svensk. Vet.-Akad. Handl., 1860, 2: 135. Emendation of *Tersilochus* Holmgren.

**Tersilochus alaskensis** (Ashmead) new combination

*Isurgus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♀. [o.d., Popof Is., Alaska (U.S.N.M.)]

**Tersilochus conotracheli** (Riley)

*Porizon conotracheli* Riley, Ann. Rpt. Insects Mo., 1871, 3: 28. ♂, ♀. [o.d., fig., host *b*, N.J. (U.S.N.M.)]

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- Thersilochus conotracheli* Riley and Howard, Rpt. U. S. Dept. Agr. for 1888, 1889, p. 64. [biol., host *b*]
- Thersilochus conotracheli* Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, N.J.]
- Porizon conotracheli* Riley, Insect Life, 1893, 6: 132. [Mo.]
- Thersilochus conotracheli* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [N.Y.]
- Thersilochus conotracheli* Johnson and Girault, Cir. U. S. Dept. Agr., 1906, 73: 6. [host *b*, N.Y.]
- Thersilochus conotracheli* Quaintance and Jenne, Bull. U. S. Dept. Agr., Bur. Ent., 1912, 103: 147. [fig., biol., host *b*, Conn., Ill., Kans., Mo., N.Y.]
- Thersilochus conotracheli* Cushman, Jour. Agr. Res., 1916, 6: 847-855, Pl. 109. [des., fig., biol., host *b*, Pa.]
- Porizon conotracheli* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. [des., Conn.]
- Thersilochus conotracheli* Brooks, Bull. U. S. Dept. Agr., 1922, 1066: 11. [host *c*, W.Va.]
- Thersilochus conotracheli* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]
- Thersilochus conotracheli* Brooks and Cotton, Jour. Agr. Res., 1924, 28: 385. [host *a*, W.Va.]
- Thersilochus conotracheli* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, Pl. 3; figs. 10, 14, 15, 17, 18 [biol.]
- Thersilochus conotracheli* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]
- Thersilochus conotracheli* Dozier, Williams, and Butler, Bull. Univ. Del. Agr. Exp. Sta., 1932, 175: 38-39. [biol., host *b*, Del.]
- CURCULIONIDAE: *a*, *Conotrachelus anaglypticus*; *b*, *Conotrachelus nenuphar*; *c*, *Conotrachelus relentus*.

***Tersilochus deficiens* (Provancher) new combination**

- Stilpnus deficiens* Provancher, Addit. Faune Canada, Hymén., 1888, p. 359. ♀. [o.d., Ottawa, Ont. (M.P.Q.)]
- Thersilochus deficiens* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 186. [syn.]
- Thersilochus deficiens* Davis, Canad. Ent., 1895, 27: 287. [des.]

**HETEROCOLA Foerster**

- Heterocola* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande. 1868, 25: 148.  
Genotype: *Thersilochus proboscidalis* Thomson.

***Heterocola americana* Brues**

- Heterocola americana* Brues, Ent. News, 1916, 27: 331. ♀. [o.d., Forest Hills, Boston, Mass. (Brues Coll.)]



*Heterocola americana* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

*Tersilochini of Uncertain Genus*

The following species are near *Tersilochus* but on account of the elongate gastrocoeli can not be referred to this genus. Without time and material to evaluate the various genera of this group that are used by European authors, I shall not attempt generic placements.

***Aneucelis erythrostomus* Cameron**

*Aneucelis?* *erythrostomus* Cameron, Invert. Pacifica, 1903, 1: 131. ♀. [o.d., Ormsby Co., Nev. (British Mus.)]

***Thersilochus maturus* Provancher**

*Thersilochus maturus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. ♀. [key, o.d., Hull, Que. (M.P.Q.)]

***Thersilochus montanus* Ashmead**

*Thersilochus montanus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 23. ♂. [o.d., Cimmaron, Colo. (U.S.N.M.)]

*Thersilochus montanus* Nason, Ent. News, 1905, 16: 168. [Ill.]

***Thersilochus provancheri* Ashmead**

*Thersilochus pallipes* Provancher, Nat. Canad., 1882, 13: 367; (Faune, p. 789). ♀. [o.d., Que. (M.P.Q.)] Preoccupied by Holmgren, 1858.

*Thersilochus pallipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 92. [key]

*Thersilochus provancheri* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 24. [new name for *Thersilochus pallipes* Provancher]

*Thersilochus provancheri* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Porizon provancheri* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [syn., N.Y.]

*Thersilochus pallipes* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Thersilochus provancheri* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Thersilochus provancheri* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 30. [new name for *Thersilochus pallipes* Provancher]

*Thersilochus provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

*Thersilochus provancheri* Cushman, Proc. U. S. Nat. Mus., 1929, 76, art. 25: 14. [syn.]

## Subfamily 11. OPHIONINAE

## Tribe 4. ANOMALINI

## Subtribe 1. ANOMALINA

**ANOMALON** Panzer

*Anomalon* Panzer, Fauna Ins. German., 1804, heft 94, plate 15.

Genotype: *Anomalon cruentatus* Panzer.

*Trachynotus* Gravenhorst, Ichneum. Europeae, 1829, 3: 713. Preoccupied by Latreille, April, 1829.

Genotype: *Ophion foliator* Fabricius.

*Ochlerus* Gistel, Naturg. Thierr., 1848, p. XI New name for *Trachynotus* Gravenhorst. Preoccupied by Spinola, 1837.

*Nototrachys* Marshall, Trans. Ent. Soc. London, 1872, p. 259. New name for *Trachynotus* Gravenhorst.

**Anomalon californicum** (Cresson) new combination

*Nototrachys californicus* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., San Diego, Calif. (A.N.S.P.)]

*Nototrachys californicus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]

**Anomalon ejuncidum** Say

*Anomalon ejuncidum* Say, Boston Jour. Nat. Hist., 1836, 1: 241; (Leconte Ed., 2: 697). ♀. [o.d., United States (type destroyed)]

*Trachynotus fuscatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 50. ♂, ♀. [Cuba (A.N.S.P.)] New synonymy.

*Trachynotus texanus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Trachynotus Canadensis* Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 353). ♀. [o.d., Que. (M.P.Q.)]

*Nototrachys canadensis* Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

*Nototrachys ejuncidus* Cresson, Synops. Hymen. N. Amer., 1887, p. 200. [syn.]

*Nototrachys texanus* Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]

*Nototrachys jucundus* (!) Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Nototrachys ejuncidus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.Y.]

*Anomalon ejuncidum* Dalla Torre, Cat. Hymen., 1901, 3: 164. [syn.]

*Nototrachys texanus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]

*Nototrachys ejuncidus* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225. [Ariz.]

- Nototrachys ejuncidus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 69. [key]  
*Nototrachys texanus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 71. [key, des.]  
*Anomalon ejuncidus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 156. [syn., des.]  
*Nototrachys texanus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]  
*Anomalon ejuncidum* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]  
*Anomalon ejurcidum* (!) Knowlton and Janes, Proc. Ut. Acad. Sci., 1930, 7: 74. [Ut.]  
*Anomalon ejuncidum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]  
*Anomalon ejuncidum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]  
*Anomalon ejuncidum* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

**Anomalon reticulatum** (Cresson) new combination

- Trachynotus reticulatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂. [o.d., Colo. (A.N.S.P.)]  
*Nototrachys reticulatus* Cresson, Synops. Hymen. N. Amer., 1887, p. 201. [syn.]  
*Nototrachys reticulatus* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]  
*Nototrachys reticulatus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 292. [des., Ariz.]  
*Nototrachys reticulatus* Viereck, Trans. Amer. Ent. Soc., 1905, 32: 225. [Ariz.]  
*Nototrachys reticulatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 72. [key, syn., des.]

**NEOGREENEIA** Viereck

*Neogreeneia* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641.

Genotype: *Neogreeneia picticornis* Viereck.

**Neogreeneia picticornis** Viereck

- Neogreeneia picticornis* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 641. ♀. [o.d., Roxborough, Pa. (U.S.N.M.)]  
*Neogreeneia picticornis* Viereck, Proc. Biol. Soc. Wash., 1916, 29: 169. [des., Md., N.C., Va.]  
*Neogreeneia picticornis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]  
*Neogreeneia* (!) *picticornis* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

## Subfamily 11. OPHIONINAE

## Tribe 4. ANOMALINI

## Subtribe 2. OPHIONELLINA

**OPHIONELLUS** Westwood

*Pharsalia* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. Preoccupied by Thomson, 1864.

Genotype: *Pharsalia texana* Cresson.

*Ophionellus* Westwood, Thes. Ent. Oxon., 1874, p. 128, plate 24, fig. 3. New synonymy.

Genotype: *Ophionellus fragilis* Westwood.

*Hymenopharsalia* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 97. New name for *Pharsalia* Cresson.

*Parophionellus* Brues and Richardson, Bull. Amer. Mus. Nat. Hist., 1913, 32: 495. [new name for *Pharsalia* Cresson]

**Ophionellus bridwelli** (Cushman) new combination

*Hymenopharsalia Bridwelli* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 19. ♀. [key, o.d., Great Falls, Va. (U.S.N.M.)]

**Ophionellus foutsii** (Cushman) new combination

*Hymenopharsalia foutsii* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. ♀. [key, o.d., Glen Echo, Md. (U.S.N.M.)]

**Ophionellus texanus** (Cresson) new combination

*Pharsalia texana* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Hymenopharsalia texana* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 98. [key, Mexico, Tex.]

*Hymenopharsalia texana* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 20. [key, des., Kans., N.M., Tex.]

*Pharsalis* (!) *texana* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]

**Ophionellus virginienensis** (Cresson) new combination

*Pharsalia virginienensis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 177. - ♀ (not ♂). [o.d., W.Va. (A.N.S.P.)]

*Hymenopharsalia virginienensis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 99. [key, des., Brazil, Mexico, Panama] In part.

*Hymenopharsalia virginienensis* Cushman, Proc. U. S. Nat. Mus., 1922, 60, art. 21: 18. [key, des., Va.]

## Subfamily 11. OPHIONINAE

## Tribe 4. ANOMALINI

## Subtribe 3. OPHIOPTERINA

**OPHIOPTERUS** Brullé

*Ophiopterus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 153.

Genotype: *Ophiopterus coarctatus* Brullé.

**Ophiopterus cincticornis** (Cresson) new combination

*Trachynotus cincticornis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 49. ♂, ♀.  
[o.d., Cuba (A.N.S.P.)]

*Ophiopterus ferrugineus* Cresson, Proc. Acad. Nat. Sci. Phila., 1873, p. 380. ♀.  
[o.d., Orizaba, Mexico (A.N.S.P.)] New synonymy.

*Nototrachys? annulicornis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♀.  
[o.d., Tex. (U.S.N.M.)] New synonymy.

*Ophiopterus ferrugineus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 94. [key,  
des., Ill., Mexico, Tex.]

*Ophionopterus* (!) *ferrugineus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 66.  
[syn., des.]

## Subfamily 11. OPHIONINAE

## Tribe 4. ANOMALINI

## Subtribe 4. APHANISTINA

**TRICHOMMA** Wesmael

*Trichomma* Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 137.

Genotype: *Anomalon* (*Trichomma*) *fulvidens* Wesmael.

**Trichomma granitellae** Viereck

*Trichomma granitellae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♂.  
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)]

*Trichomma epischniae* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 645. ♀.  
[o.d., host *a*, Crows Landing, Calif. (U.S.N.M.)] New synonymy.

PHYCITIDAE: *a*, *Epischnia granitella*.

**Trichomma maceratum** (Cresson)

*Anomalon maceratum* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂.  
[o.d., Calif. (A.N.S.P.)]

*Trichomma maceratum* Flanders, Mo. Bull. Dept. Agr. Calif., 1930, 19: 418.  
[host *a*, Calif.]

PHYCITIDAE: *a*, *Etiella zinckenella*.

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**Trichomma reticulatum** Davis

- Trichomma reticulata* Davis, Trans. Amer. Ent. Soc., 1898, 24: 361. ♀. [o.d., Mich. (A.N.S.P.)]  
*Trichomma reticulatum* Dalla Torre, Cat. Hymen., 1901, 3: 174. [syn.]  
*Trichomma reticulata* Krieger, Ztschr. Hymen. Dipt., 1904, 4: 171. [key]  
*Trichomma reticulata* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 65. [key, des.]  
*Trichomma reticulata* Pechuman, Bull. Brooklyn Ent. Soc., 1937, 32: 16. [N.Y.]

**APHANISTES** Foerster

- Aphanistes* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.  
 Genotype: *Anomalon bellicosum* Wesmael.

**Aphanistes hyalinis** (Norton)

- Anomalon hyaline* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., Farmington, Conn. (Yale Univ.)]  
*Anomalon nigro-rufus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [o.d., N.Y. (Yale Univ.)] New synonymy.  
*Anomalon hyaline* Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]  
*Anomalon hyaline* Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 357). [key, des., Que.]  
*Anomalon hyaline* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]  
*Anomalon nigro-rufum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 81. ♂, ♀. [key, des., Que.]  
*Anomalon nigrorufum* Slosson, Ent. News, 1895, 6: 317. [N.H.]  
*Anomalon basilicon* Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♀. [o.d., Moscow, Ida. (A.N.S.P.)] New synonymy.  
*Anomalon edemae* Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂, ♀. [o.d., host c, Mich. (A.N.S.P.)] New synonymy.  
*Anomalon nigro-rufum* Nason, Ent. News, 1905, 16: 151. [Ill.]  
*Anomalon hyaline* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]  
*Anomalon nigrorufum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 88. ♂, ♀. [key, des.]  
*Erigorgus hyalinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]  
*Therion hyaline* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]  
*Paranomalon basilicon* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]  
*Aphanistes hyalinus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]  
*Paranomalon nigrorufum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host a, N.Y.]

- Paranomalon hyalinum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion hyaline* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Paranomalon hyalinum* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Aphanistes hyalinus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *d*, Mass., R.I.]
- Aphanistes nigrorufus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *b e*, N.J., Vt.]
- Therion hyaline* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- Paranomalon edemae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]
- NOTODONTIDAE: a, *Datana contracta*; b, *Schizura concinna*; c, *Symmerista albifrons*.  
 PHALAEINIDAE: d, *Phosphila turbulenta*. ARCTIIDAE: e, *Halisidota caryae*.

***Aphanistes puparum* (Ashmead) new combination**

- Agyrpon puparum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., host *a*, Alameda, Calif. (U.S.N.M.)]
- PHALAEINIDAE: a, phalaenid.

**ERIGORGUS Foerster**

*Anomalon* of authors, not of Schrank.

*Camposcopus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 145.  
 New synonymy.

Genotype: *Camposcopus acclerivora* Rohwer.

*Erigorgus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.

Genotype: *Anomalon* (*Erigorgus*) *carinatum* Brischke.

*Sympratis* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.  
 New synonymy.

Genotype: *Erigorgus ferrugineus* Norton. Included by Viereck, Bull. Conn. Geol. Nat. Hist. Surv. 1917, 22: 285.

*Barylypa* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 156.  
 Genotype: *Anomalon* (*Barylypa*) *genalis* Thomson.

***Erigorgus acclerivorus* (Rohwer) new combination**

*Camposcopus acclerivora* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.  
 [o.d., host *a*, Charter Oak, Pa. (U.S.N.M.)]

*Camposcopus acclerivorus* Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 419.  
 [host *b*, Me.]

TORTRICIDAE: a, *Peronea* sp. on *Castanea dentata*. PHYCITIDAE: b, *Acrobasis comp-toniella*.

**Erigorgus alaskensis** (Ashmead) new combination

*Atrometus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. ♂, ♀.  
[o.d., Alaska (U.S.N.M.)]

**Erigorgus ambiguus** (Norton)

*Anomalon ambiguus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,  
Mass. (Yale Univ.)]

*Anomalon ambiguum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Anomalon ambiguum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Anomalon ambiguum* Smith, Tech. Ser. U. S. Dept. Agr., Bur. Ent., 1912, 19:  
45. [biol., host a]

*Anomalon ambiguum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

*Paranomalon ambiguum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 954. [N.Y.]

*Erigorgus ambiguus?* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

ARCTIIDAE: a, *Hyphantria cunea*.

**Erigorgus cerinops** (Gravenhorst) new combination

*Anomalon cerinops* Gravenhorst, Ichneum. Europeae, 1829, 3: 658. ♂, ♀.  
[o.d., numerous localities in Europe (?Breslau Mus.)]

*Ophion* (*Anomalon*) *pubescens* Zetterstedt, Ins. Lapp., 1840, p. 393. ♂. [o.d.,  
Lapland, Sweden (?Copenhagen Mus.)]

*Anomalon pubescens* Lundbeck, Vidensk. Medd. Nat. For. Kjøbenhavn, (1896),  
1897, p. 235. [des., Greenland]

**Erigorgus curtus** (Norton)

*Anomalon curtus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♂. [o.d.,  
Del., Me. (Yale Univ.)]

*Anomalon curtum* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

*Anomalon curtum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Anomalon curtum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Anomalon curtum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.  
[N.J.]

*Anomalon curtum* Howard, The Insect Book, 1902, plate 10, fig. 28.

*Anomalon curtum* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Anomalon curtum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 84. [key]

*Erigorgus curtus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.  
[key]

*Paranomalon curtum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
954. [N.Y.]

**Erigorgus edwardsii** (Cresson) new combination

*Anomalon Edwardsii* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀.  
[o.d., Vancouver Is., B.C. (A.N.S.P.)]



*Paranomalon edwardsii* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

***Erigorgus elongatus* (Davis) new combination**

*Anomalon elongatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂, ♀. [o.d., Brookings, S.D. (A.N.S.P.), N.H.]

*Anomalon bipartitana* Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂. [o.d., Mich. (A.N.S.P.)] New synonymy.

*Anomalon bipartitanum* Dalla Torre, Cat. Hymen., 1901, 3: 163. [syn.]

*Labrorychus elongatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a*, Me.]

ARCTIIDAE: *a*, *Halisidota maculata*.

***Erigorgus eureka* (Ashmead) new combination**

*Anomalon? eureka* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Placer Co., Calif. (U.S.N.M.)]

*Papanomaton (!) eureka* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 62. [Ut.]

***Erigorgus ferrugineus* (Norton)**

*Anomalon ferrugineus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♀. [o.d., Chicago, Ill. (Yale Univ.)]

*Anomalon ferrugineum* Dalla Torre, Cat. Hymen., 1901, 3: 165. [syn.]

*Anomalon ferrugineum* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Anomalon ferrugineum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

*Erigorgus (Sympraxis) ferrugineus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285. [key, des., Conn.]

*Paranomalon ferrugineum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

***Erigorgus fuliginosus* (Davis) new combination**

*Anomalon fuliginosa* Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mich. (A.N.S.P.)]

*Anomalon fuliginosum* Dalla Torre, Cat. Hymen., 1910, 3: 166. [syn.]

***Erigorgus luteopectus* (Norton)**

*Anomalon luteo-pectus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Farmington, Conn. (Yale Univ.)]

*Anomalon luteopectum* Dalla Torre, Cat. Hymen., 1901, 3: 167. [syn.]

*Anomalon luteopectum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

*Erigorgus luteopectum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

**Erigorgus magniceps** (Cresson) new combination

*Anomalon magniceps* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♀.  
[o.d., Dallas Co., Tex. (A.N.S.P.)]

**Erigorgus paeneferrugineus** (Viereck) new combination

*Anomalon paeneferrugineum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310.  
♀. [o.d., Wallace Co., Kans., 3000 ft. (Univ. Kans.)]

**Erigorgus propinquus** (Cresson) new combination

*Anomalon propinquum* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. ♂.  
[o.d., Colo. (A.N.S.P.)]

*Paranomalon propinquum* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41.  
[host a]

*Paranomalon propinquum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.  
[Ia.]

PHALAEINIDAE: a, *Feltia ducens*.

**Erigorgus provancheri** (Dalla Torre) new combination

*Anomalon unicolor* Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.  
♀. [key, o.d., Becancour, Que. (M.P.Q.)] Preoccupied by Ratzeburg,  
1874.

*Anomalon provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 169. [new name for  
*Anomalon unicolor* Provancher]

*Anomalon unicolor* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 385. [Kans.]

**Erigorgus rotundus** (Davis) new combination

*Anomalon rotundus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♂. [o.d.,  
Lawrence, Kans. (A.N.S.P.)]

*Anomalon rotundum* Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.]

**Erigorgus rufulus** (Provancher)

*Anomalon rufulum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 80.  
♀. [key, o.d., Ottawa, Ont. (M.P.Q.)]

*Anomalon rufulum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Anomalon rufulum* Davis, Canad. Ent., 1895, 27: 289. [syn.]

*Anomalon rufulum* Slosson, Ent. News, 1895, 5: 4. [N.H.]

*Anomalon rufulum* Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

*Anomalon rufulum* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Erigorgus* (*Agrypon*) *rufulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 284. [key, Conn.]

**Erigorgus semirufus** (Norton)

*Anomalon semi-rufus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 362. ♀. [o.d.,  
Albany, N.Y. (Yale Univ.)]

*Anomalon semirufum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.  
♀. [key, des., Ont.]

*Anomalon semirufum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.  
[N.J.]

*Anomalon semirufum* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 243. [des.,  
Wyo.]

*Anomalon semirufum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

*Erigorgus semirufus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.  
[key]

*Paranomalon semirufus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133.  
[Me.]

*Paranomalon semirufum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
101: 954. [N.Y.]

*Paranomalon semirufum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151.  
[Ia.]

**Erigorgus smithii** (Davis) new combination

*Anomalon smithii* Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♂. [o.d.,  
New Brunswick, N.J. (A.N.S.P.)]

**Erigorgus surburbis** (Davis) new combination

*Anomalon suburbe* Davis, Trans. Amer. Ent. Soc., 1898, 24: 358. ♂, ♀.  
[o.d., Julietta, Ida. (A.N.S.P.)]

*Habronyx suburbe* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

**Erigorgus sulcatus** (Provancher) new combination

*Podogaster sulcatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 90.  
♀. [o.d., Ottawa, Ont. (M.P.Q.)]

*Anomalon sulcatus* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Podogaster sulcata* Dalla Torre, Cat. Hymen., 1901, 3: 123. [syn.]

**Erigorgus xanthopsis** (Ashmead) new combination

*Anomalon xanthopsis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♂.  
[o.d., Placer Co., Calif. (U.S.N.M.)]

**LABRORYCHUS** Foerster

*Labrorychus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.

Genotype: (*Labrorychus anaitidis* Szépligeti) = *tenuicornis* Gravenhorst.

**Labrorychus aestivalis** Viereck

*Labrorychus aestivalis* Viereck, Psyche, 1921, 28: 79. ♀. [o.d., Chain Bridge,  
Va. (M.C.Z.)]

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**Labrorychus alpinus** (Davis) new combination

*Anomalon alpinus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 360. ♀. [o.d., Mt. Craig, Ida. (A.N.S.P.)]

*Anomalon alpinum* Dalla Torre, Cat. Hymen., 1901, 3: 162. [syn.]

**Labrorychus analis** (Say)

*Ophion analis* Say, Contrib. MacLurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 379). ♀. [o.d., Ind. (M.C.Z.)]

*Ophion analis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

*Anomalon analis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. ♀. [des., Kans., Mass., N.Y.]

*Anomalon anale* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). ♂, ♀. [key, des., Que.]

*Anomalon anale* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

*Anomalon anale* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Anomalon anale* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]

*Anomalon anale* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host *d*, N.H.]

*Anomalon anale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. [key, D.C.]

*Erigorgus analis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key, Conn.]

*Labrorychus analis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 168. [syn.]

*Labrorychus analis* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Erigorgus anale* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

*Labrorychus analis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [host *c*, N.Y.]

*Labrorychus analis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 145. [biol., host *a b e f g*, New England, N.J., N.Y.]

*Labrorychus analis* Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]

LASIOCAMPIDAE: *a*, *Malacosoma americanum*; *b*, *Malacosoma distria*; *c*, *Malacosoma fragile*; *d*, *Malacosoma* sp. LYMANTRIIDAE: *e*, *Hemerocampa leucostigma*. NOTODONTIDAE: *f*, *Ichthyura inclusa*. ARCTIIDAE: *g*, *Cynia tenera*.

**Labrorychus borealis** (Ashmead)

*Agrypon boreale* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 424. ♀. [o.d., Fort McLeod, B.C. (U.S.N.M.)]

*Labrorychus borealis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]

*Labrorychus borealis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

**Labrorychus chlamidatus** (Provancher)

*Anomalon chlamidatum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 82.

♀. [key, o.d., Cap Rouge, Que. (M.P.Q.), Ont.]

*Anomalon rufulum* Dalla Torre, Cat. Hymen., 1901, 3: 170. [syn.] In part.

*Atrometus flavifrons* Slosson, Ent. News, 1902, 13: 5. [N.H.] Nomen nudum.

*Labrorychus chlamidatum* Cushman, Proc. U. S. Nat. Mus., 1922, 61, art. 8: 16.

[syn.]

*Agrypon chlamidatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Agrypon chlamidatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

953. [N.Y.]

**Labrorychus filiformis** (Provancher) new combination

*Anomalon filiforme* Provancher, Addit. Faune Canada, Hymén., 1886, p. 83.

♂, ♀. [key, o.d., Becancœur, Que. (M.P.Q.)]

*Paranomalon filiforme* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:

954. [N.Y.]

*Erigorgus filiforme*? Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

**Labrorychus melleus** (Cresson) new combination

*Anomalon melleum* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d.,

Bosque Co., Tex. (U.S.N.M.)]

*Agrypon melleum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 425. [syn.]

**Labrorychus metallicus** (Norton) new combination

*Anomalon metallicus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass. (Yale Univ.)]

*Anomalon metallicum* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. [Tex.]

*Agrypon metallicum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Anomalon metallicum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.

[N.J.]

*Anomalon metallicum* Dalla Torre, Cat. Hymen., 1901, 3: 168. [syn.]

*Anomalon metallicum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]

*Erigorgus metallicum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:

284. [key]

**Labrorychus prismaticus** (Norton)

*Anomalon prismaticus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 364. ♀. [o.d.,

Mass., Conn. (Yale Univ.)]

*Anomalon prismaticus* Provancher, Nat. Canad., 1874, 6: 174. [key, Que.]

*Anomalon prismaticum* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p.

358). ♂, ♀. [key, des., Que.]

*Anomalon prismaticum* Provancher, Nat. Canad., 1879, 11: 268. [Que.]

*Anomalon prismaticum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79.

[key]

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- Anomalon prismaticum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [syn.]  
*Labrorychus prismaticus* Johnson, Psyche, 1916, 23: 81. [host *a*, Vt.]  
*Erigorgus prismaticum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]  
*Erigorgus prismaticus* Baird, Agr. Gaz. Canada, 1918, 5: 468. [biol., host *a*, Canada]  
*Erigorgus prismaticus* Baird, Agr. Gaz. Canada, 1918, 5: 768. [des., biol., host *a*, N.B.]  
*Labrorychus prismaticus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]  
*Labrorychus prismaticus* Poos, Ohio Jour. Sci., 1927, 27: 83. [host *b*, Ohio]  
*Labrorychus prismaticus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]  
*Labrorychus prismaticus* Beaulne, Nat. Canad., 1939, 66: 95. [host *a*, Que.]  
 TORTRICIDAE: *a*, *Archips cerasivorana*. PYRAUSTIDAE: *b*, *Pyrausta penitalis*.

**Labrorychus pseudargioli** (Howard) new combination

- Anomalon pseudargioli* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1881. ♀. [o.d., host *a b*, type locality not given (U.S.N.M.)]  
*Erigorgus pseudargioli* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]  
*Agrypon pseudargioli* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]  
 LYCAENIDAE: *a*, *Lycaenopsis pseudargiolus*; *b*, *Strymon melinus*.

**ATROMETUS** Foerster

- Atrometus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 146.  
 Genotype: *Atrometus insignis* Foerster.

**Atrometus clavipes** (Davis)

- Anomalon clavipes* Davis, Trans. Amer. Ent. Soc., 1898, 24: 359. ♂. [o.d., Mich. (A.N.S.P.)]  
*Paranomalon clavipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]  
*Atrometus clavipes* Steenburgh, Ann. Rpt. Ent. Soc. Ont., 1935, 65: 71. [host *c*, Ont.]  
*Atrometus clavipes* Daviault, Nat. Canad., 1935, 62: 245. [host *a*, Que.]  
*Atrometus clavipes* Neiswander, Bull. Ohio Agr. Exp. Sta., 1936, 569: 26. [host *c*, Ohio]  
*Atrometus clavipes* Brown, Tech. Bull. Canad. Dept. Agr., 1941, 31: 15. [host *b*, Canada]

OECOPHORIDAE: a, *Psilocorsis* sp. TORTRICIDAE: b, *Peronea variana*. OLETHREUTIDAE: c, *Grapholitha molesta*.

**Atrometus evetrivorus** (Rohwer) new combination

*Podogaster evetrivorus* Rohwer, Proc. Ent. Soc. Wash., 1914, 16: 142. ♂, ♀.  
[o.d., host a, Fort Bayard, N.M. (U.S.N.M.)]

OLETHREUTIDAE: a, *Rhyacionia* sp. in *Pinus ponderosa*.

**Atrometus praediscae** (Ashmead) new combination

*Argypon* (!) *praediscae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♂, ♀.  
[o.d., host a, St. Louis, Mo. and Fortress Monroe, Va. (U.S.N.M.)]

*Agrypon praediscae* (!) Slosson, Ent. News, 1902, 13: 5. [N.H.]

*Anomalon paediscae* (!) Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620.  
[syn.]

OLETHREUTIDAE: a, "*Paedisca*" sp.

*Unplaced species of Aphanistina*

I have been unable to make a satisfactory generic placement of the following species of *Aphanistina*.

**Anomalon apicale** (Cresson)

*Cremastus fulvescens* var. *apicalis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286.  
♀. [o.d., Colo. (A.N.S.P.)]

*Cremastus fulvescens* var. *seminiger* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♂, ♀. [o.d., Colo. (A.N.S.P.)] New synonymy.

*Anomalon apicale* Riley, Ann. Rpt. Insects Mo., 1877, 9: 55. [host a]

*Anomalon apicaule* (!) Atkinson, Bull. S.C. Agr. Exp. Sta., 1889, 4: 88. [host b, S.C.]

*Anomalon apicola* (!) Riley and Howard, Insect Life, 1890, 1: 155. [host a, Fla., Kans., Tex.]

*Anomalon apicale* Howard, The Insect Book, 1902, plate 9, fig. 9.

*Anomalon fulvescens* var. *hemimelas* Viereck, Trans. Kans. Acad. Sci., 1905, (♀). [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

*Habronyx apicalis* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

*Labrorychus apicalis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]

PHALAENIDAE: a, *Prototeuclania albilinea*. Miscellaneous: b, medium-sized hairy caterpillar.

**Anomalon clavatum** Davis

*Anomalon clavatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 357. ♀. [o.d., S.D. (A.N.S.P.)]

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**Anomalon exile** Provancher

*Anomalon exile* Provancher, Nat. Canad., 1874, 6: 175. ♀. [key, o.d., Que. (M.P.Q.)]

*Anomalon exile* Provancher, Nat. Canad., 1879, 11: 144; (Faune, p. 358). [key, des.]

*Anomalon exile* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

*Anomalon exile* Slosson, Ent. News, 1898, 9: 253. [N.H.]

*Anomalon exile* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host a, N.H.]

*Anomalon exile* Fiske, Tech. Bull. N.H. Agr. Exp. Sta., 1903, 6: 208-209. [biol., host b, N.H.]

*Anomalon exile* Howard and Fiske, Bull. U. S. Dept. Agr., Bur. Ent., 1911, 91: 144, 147-149. [biol., host b c, Mass.]

*Erigorgus exilis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

*Paranomalon exile* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

*Paranomalon exilis* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHYCITIDAE: a, *Acrobasis rubrifasciella*. LASIOCAMPIDAE: b, *Malacosoma* sp. LY-MANTRIIDAE: c, *Nygmia phaeorrhea*.

**Anomalon fulvescens** (Cresson)

*Cremastus fulvescens* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 285. ♂, ♀. [o.d., Colo. (A.N.S.P.)]

*Anomalon fulvescens* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [des., Tex.]

**Anomalon orbitale** Cresson

*Anomalon orbitalis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Anomalon orbitale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 87. ♀. [key, des., Tex.]

**Anomalon pallitarse** Cresson

*Anomalon pallitarse* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. ♂. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Anomalon pallitarse* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Anomalon palliditarse* Dalla Torre, Cat. Hymen., 1901, 3: 168. [emendation of *Anomalon pallitarse* Cresson]

**Anomalon verbosum** Cresson

*Anomalon verbosum* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♂, ♀. [o.d., Calif. (A.N.S.P.)]



**Cremastus nigricans** Cresson, new combination

*Cremastus fulvescens* var. *nigricans* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 286. ♀. [o.d., Colo. (A.N.S.P.)]

## Subfamily 11. OPHIONINAE

## Tribe 4. ANOMALINI

## Subtribe 5. THERIONINA

**THERION** Curtis

*Therion* Curtis, Guide Brit. Ins., 1829-30, (4), p. 101.

Genotype: *Ichneumon circumflexus* Linnaeus.

*Therium* Agassiz, Nom. Zool., 1846, Index Univ., p. 368. [emendation of *Therion* Curtis]

*Exochilum* Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 122.

Genotype: *Ichneumon circumflexus* Linnaeus.

**Therion californicum** (Cresson) new combination

*Anomalon californicum* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 367. ♀. [o.d., Calif. (A.N.S.P.)]

*Heteropelma longipes* Provancher, Addit. Faune Canada, Hymén., 1886, p. 120, 363. ♂. [o.d., Calif. (M.P.Q.)] New synonymy.

*Anomalon simile* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 423. ♀. [o.d., Los Angeles, Calif. (U.S.N.M.)] New synonymy.

*Anomalon? longipes* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

**Therion circumflexum** (Linnaeus)

*Ichneumon circumflexus* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

*Anomalon ambiguus* Provancher, Nat. Canad., 1874, 6: 174. [key, Que.] Misdetermined.

*Exochilum occidentale* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Ore. (A.N.S.P.), Colo.] New synonymy.

*Anomalon nigrum* Provancher, Nat. Canad., 1879, 11: 142; (Faune, p. 356). ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Anomalon nigrum* Taylor, Canad. Ent., 1884, 16: 91. [host a, B.C.]

*Exochilum nigrum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 78. [des.]

*Exochilum nigrum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Exochilum occidentale* Evans, Canad. Ent., 1896, 28: 10. [Ont.]

*Exochilum nigrum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 75. [key]

*Exochilum circumflexum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [key, syn., Hudson Bay]

- Exochilum occidentale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 79. [key, des.]
- Therion occidentalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Therion occidentale* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]
- Therion circumflexum* Uchida, Jour. Faculty Agr. Hokkaido Imp. Univ., 1932, 33: 140. [syn.]
- Exochilum circumflexum* Peck, Canad. Jour. Res., 1937, D, 15: 247, 251. [fig. ♂ genitalia]
- Therion nigrum* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAENIDAE: a, phalaenid.

**Therion confusum** (Ashmead) new combination

- Schizoloma confusa* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♀. [o.d., S.C. (U.S.N.M.)]
- Exochilum acronyctae* Riley and Howard, Insect Life, 1890, 3: 155. [host a b, Calif., Va. Nomen nudum.]
- Exochilum acronyctae* \* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 190. ♀. [o.d., host a b, Washington, D.C. (U.S.N.M.), Calif.] New synonymy.
- Exochilum acronyctae* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Exochilum acronyctae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [Pa.]
- Schizoloma confusa* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 66. [key, des.]
- Exochilum acronyctae* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]

PHALAENIDAE: a, *Acronicta hastulifera*; b, *Merolonche lupini*.

**Therion fuscipenne** (Norton)

- Exochilum fuscipennis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. ♀. [o.d., Washington, D.C. (Yale Univ.)]
- Exochilum fuscipennis* Provancher, Nat. Canad., 1874, 6: 176. [des., Que.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 121; (Faune, p. 355). [key, des., fig.]
- Exochilum fuscipenne* Provancher, Nat. Canad., 1879, 11: 268. [Que.]
- Exochilum fuscipenne* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Exochilum fuscipennis* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.]
- Exochilum fuscipenne* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Therion fuscipenne* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

\* Ashmead described *Exochilum acronyctae* from two females, one from Placer Co., Calif. and the other from Washington, D.C. They do not appear to be conspecific. The specimen from Washington, D.C. is hereby designated lectotype.

*Exochilum fuscipennis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]

*Therion fuscipenne* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Therion fuscipennis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133.  
[Me.]

*Therion fuscipenne* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
954. [host *a b c e*, N.Y.]

*Therion fuscipenne* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Therion fuscipenne* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no.  
2: 104. [Mass.]

*Therion fuscipennis* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,  
188: 147. [biol., host *d*, Me.]

*Therion fuscipenne* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

PHALAENIDAE: *a*, *Acronicta americana*; *b*, *Acronicta hastulifera*; *c*, *Acronicta hesperida*;  
*d*, *Acronicta impressa*; *e*, *Merolonche lupini*.

### **Therion morio** (Fabricius)

*Ichneumon morio* Fabricius, Spec. Insect., 1781, 1: 436. [o.d., North America  
(British Mus.)]

*Ophion morio* Fabricius, Suppl. Ent. System., 1798, p. 237. [des.]

*Ophion mundus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.  
[Mass.] Nomen nudum.

*Ophion mundus* Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2:  
695). ♂. [o.d., Ind. (type destroyed)]

*Anomalon flavipes* Brullé, Hist. Nat. Insectes Hymen., 1846, 4: 170. ♂, ♀.  
[o.d., Mexico (Paris Mus.)]

*Ophion mundus* Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig.,  
N.Y.]

*Ophion mundus* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169. [des.,  
biol., Mass.]

*Exochilum mundum* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [syn., Ia.,  
Lake Superior, New England, N.Y., Pa.]

*Exochilum mundum* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

*Anomalon nigripennis* Provancher, Nat. Canad., 1874, 6: 173. ♂, ♀. [key,  
o.d., Que. (M.P.Q.)]

*Exochilum mundum* Provancher, Nat. Canad., 1879, 11: 120; (Faune, p. 354).  
♂, ♀. [key, syn., des.]

*Exochilum mundum* Howard, in Scudder: Butterflies of Eastern U. S. and  
Canada, 1889, 3: 1881. [des., host *i j*]

*Exochilum mundum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Exochilum mundum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

*Exochilum mundum* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 16. [Ia.]

*Exochilum mundum* Kirkland, Canad. Ent., 1893, 25: 312. [biol., host *h*, Mass.]

*Exochilum mundum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581.  
[host *a*, N.J., N.Y.]

*Exochilum mundum* Howard, The Insect Book, 1902, plate 10, fig. 13, 14.

*Exochilum mundum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 310. [Kans.]

*Exochilum mundum* Nason, Ent. News, 1905, 16: 151. [Ill.]

*Thyreodon morio* Morley, Ent., 1909, 42: 136. [notes on the type, Mass., Mexico, N.H., N.Y.]

*Exochilum mundum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]

*Exochilum mundum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1912, 42: 36. [host *b*, Que.]

*Exochilum morio* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., England, Mass., Mexico, N.H., N.Y.]

*Exochilum mundum* Hewitt, Rpt. Exp. Farms Canada for 1913-14, 1915, p. 861. [host *h*, N.B.]

*Exochilum mundum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Therion morio* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 286. [key, Conn.]

*Therion morio* Tothill, Bull. Canad. Dept. Agr., 1922, (n.s.), 3: 59-74. [des., fig., biol., host *h*, morphology, N.B., N.S.]

*Therion morio* Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]

*Therion morio* Gorham, Proc. Acadian Ent. Soc., 1923, 8: 20. [host *h*, N.B.]

*Therion morio* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]

*Therion morio* Cushman, Proc. Ent. Soc. Wash., 1926, 28: 31, 43. [biol., plate 6, fig. 41, 42, 44]

*Therion morio* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [host *j*, N.Y.]

*Therion morio* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]

*Therion morio* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [Ont.]

*Therion morio* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 147. [biol., host *c d e f g*, Me., Mass., N.H., N.J., N.Y., Pa.]

*Therion morio* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

*Therion morio* Procter, Biol. Surv. Mt. Desert Region, 1938, 2: 416. [Me.]

*Therion morio* Snodgrass, Smithsonian Misc. Coll., 1941, 99, no. 14: 33, 34. [fig., morphology]

GEOMETRIDAE: *a*, *Cingilia catenaria*. NOTODONTIDAE: *b*, *Datana angusii*. PHALAENIDAE: *c*, phalaenid. ARCTIIDAE: *d*, *Cynia inopinata*; *e*, *Diacrisia virginica*; *f*, *Estigmene acrea*; *g*, *Halisidota maculata*; *h*, *Hyphantria cunea*. NYMPHALIDAE: *i*, *Vanessa cardui*. PAPILIONIDAE: *j*, *Papilio marcellus*.

***Therion neglectum* (Morley) new combination**

*Exochilum neglectum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. ♂, ♀. [key, o.d., Hudson Bay (British Mus.), N.S.]

***Therion nigrovarium* (Brullé)**

*Anomalon nigrovarium* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 172. ♀. [o.d., N. Amer. (Paris Mus.)]

- Exochilum nigrovarium* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [Conn.]  
*Exochilum nigrovarium* Cresson, Trans. Amer. Ent. Soc., 1872, 2: 170. [Tex.]  
*Exochilum nigrovenarium* (!) Slosson, Ent. News, 1897, 8: 237. [N.H.]  
*Exochilum nigrovarium* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]  
*Exochilum nigrovarium* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]  
*Therion nigrovarium* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]

***Therion petiolatum* (Davis)**

- Exochilum petiolatum* Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♂, ♀. [o.d., S.D. (A.N.S.P.)]  
*Exochilum petiolatum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [syn.]  
*Therion petiolatum* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a*, Mass., R.I.]  
 PHALAEINIDAE: *a*, *Phosphila turbulenta*.

***Therion sassacus* Viereck**

- Therion sassacus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♀). [o.d. in key, Windsor, Conn. (U.S.N.M.)]  
*Therion waccagum* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. (♂). [o.d. in key, North Haven, Conn. (U.S.N.M.)] New synonymy.  
*Therion sassacus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 105. [Mass.]  
*Therion sassacus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a c*, Me., Mass., N.J., N.Y., R.I., Vt.]  
*Therion waccagum* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 148. [biol., host *a b*, N.J.]  
*Therion sassacus* Brown, Canad. Ent., 1934, 66: 262. [Ont.]  
 ARCTIIDAE: *a*, *Cycnia inopinata*; *b*, *Cycnia tenera*; *c*, *Hyphantria cunea*.

***Therion tenuipes* (Norton)**

- Exochilum tenuipes* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♀. [o.d., Conn. and Mass. (Yale Univ.)]  
*Exochilum tenuipes* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo., N.J., Tex.]  
*Exochilum tenuipes* Slosson, Ent. News, 1898, 9: 253. [N.H.]  
*Exochilum tenuipes* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 73. [key, des., Conn., Mass., N.H.]  
*Therion tenuipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [key]  
*Exochilum tenuipes* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Therion tenuipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954.  
[host *a*, N.Y.]

*Therion tenuipes* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

ARCTIIDAE: *a*, *Diacrisia virginica*.

***Therion texanum*** (Ashmead)

*Exochilum texanum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 426. ♂. [o.d.,  
Tex. (U.S.N.M.)]

*Exochilum texanum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 74. [key, des.,  
Calif., Mexico]

*Therion texanum* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

***Therion varicolor*** (Viereck) new combination

*Exochilum varicolor* Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. ♂. [o.d.,  
Beulah, N.M. (A.N.S.P.)]

*Exochilum variicolor* (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 76. [syn.]

***Therion verticale*** (Morley) new combination

*Exochilum verticale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 78. ♀. [key,  
o.d., Hudson Bay (British Mus.)]

**HETEROPELMA** Wesmael

*Heteropelma* Wesmael, Bull. Acad. Sci. Belg., 1850, 16: 119, 120.

Genotype: *Anomalon* (*Heteropelma*) *calcator* Wesmael.

***Heteropelma datanae*** Riley

*Heteropelma datanae* Riley, Insect Life, 1888, 1: 177. ♀. [o.d., host *a*, no  
locality given (U.S.N.M.)]

*Heteropelma datanae* Riley and Howard, Insect Life, 1890, 3: 155. [host *b*,  
D.C.]

*Heteropelma datanae* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 69. [key,  
des.]

*Heteropelma datanae* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 285.  
♀. [des.]

*Heteropelma datanae* Gray, Bull. Ark. Agr. Exp. Sta., 1926, 203: 33. [host *a*,  
Ark.]

*Heteropelma datanae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
953. [N.Y.]

*Heteropelma datanae* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934,  
188: 145. [biol., host *a*, N.J., Pa.]

*Heteropelma datanae* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana* sp. on *Juglans* sp.

**Heteropelma fulvicorne** new name

*Anomalon flavicorne* Brullé, Hist. Nat. Insect. Hymen., 1846, 4: 171. ♀.  
[o.d., fig., Philadelphia, Pa. (Paris Mus.)] Preoccupied by Say, 1823.

*Heteropelma flavicorne* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. [Conn., Pa.]

*Anomalon flavicorne* Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host f]

*Heteropelma flavicorne* Provancher, Nat. Canad., 1874, 6: 176. [Que.]

*Heteropelma flavicorne* Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 355).  
[des.]

*Heteropelma flavicornis* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

*Heteropelma flavicorne* Riley and Howard, Insect Life, 1890, 3: 155. [host e,  
D.C.]

*Heteropelma flavicornis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Exochilum flavicorne* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]

*Heteropelma flavicornis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
581. [host g, N.J., N.Y.]

*Heteropelma flavicornis* Howard, The Insect Book, 1902, plate 10, fig. 18.

*Heteropelma fulvicorne* (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68.  
[key, des., N.H., N.Y.] Misdetermined.

*Heteropelma flavicornis* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]

*Heteropelma flavicorne* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
285. [des., fig., Conn.]

*Heteropelma flavicornis* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172.  
[Minn.]

*Heteropelma flavicorne* Bradley, Bull. Lloyd Libr., 1926, 21: 171. [N.Y.]

*Heteropelma flavicorne* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101:  
953. [N.Y.]

*Heteropelma flavicorne* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr.,  
1934, 188: 145. [biol., host a b c d, Me., N.J., N.Y., R.I.]

*Heteropelma flavicorne* Brimley, Insects of N.C., 1938, p. 415. [N.C.]

NOTODONTIDAE: a, *Datana contracta*; b, *Datana integerrima*; c, *Datana ministra*; d,  
*Datana perspicua*; e, *Datana* sp. on *Hammamelis virginiana*. ARCTIIDAE: f, *Diacrisia*  
*virginica*. SPHINGIDAE: g, *Sphinx luscitiosa*.

## Subfamily 11. OPHIONINAE

## Tribe 5. OPHIONINI

**OPHION** Fabricius

*Ophion* Fabricius, Ent. System., 1798, suppl.: 210, 235.

Genotype: *Ichneumon luteus* Linnaeus.

*Paniscus* Schrank, Fauna Boica, 1802, 2, pt. 2: 316.

Genotype: *Ichneumon luteus* Linnaeus.

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*Genophion* Felt, Bull. N.Y. State Mus., 1903, 76: 123.

Genotype: *Genophion gilletti* Felt.

*Neophion* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 4, 30. New synonymy.

Genotype: *Neophion crassus* Morley.

*Ophiogastrella* Brues, Ann. Ent. Soc. Amer., 1912, 5: 201. New synonymy.

Genotype: *Ophiogastrella maculithorax* Brues.

***Ophion abnormus* (Felt)**

*Ophion abnormum* Felt, Bull. N.Y. State Mus., 1904, 76: 121. ♀. [key, o.d., fig., Colo. (N.Y. State Mus.)]

*Eremotylus felti* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♀. [o.d., Hamilton Co., Kans. 3350 ft. (Univ. Kans.), Colo.] New synonymy.

*Ophion abnormis* (!) Hooker, Trans. Amer. Ent. Soc., 1912, 38: 47. [key, des., fig.]

*Ophion abnormis* (!) Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]

*Ophion abnormis* (!) Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

***Ophion ancyloneura* Cameron \***

*Ophion ancyloneura* Cameron, Biol. Centr.-Amer., 1886, Hymen., 1: 294. ♀. [o.d., fig., Capetillo, Guatemala (British Mus.)]

***Ophion bifoveolatus* Brullé**

*Ophion bifoveolatus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. Amer. (Paris Mus.)]

*Ophion bifoveolatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♂, ♀. [des., Ark., Ill., Md., N.Y., "Red River"]

*Ophion bifoveolatus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 284. [Colo.]

*Ophion bifoveolatus* Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.]

*Ophion nigrivarius* Provancher, Nat. Canad., 1874, 6: 104. ♂, ♀. [key, o.d., Que. (M.P.Q.)] New synonymy.

*Ophion bifoveolatus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

*Ophion bifoveolatus* Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

*Ophion nigrovarius* Provancher, Nat. Canad., 1879, 11: 118; (Faune, p. 351). ♂, ♀. [key, des.]

*Ophion nigrovarius* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]

*Ophion bifoveolatum* Riley, Proc. Ent. Soc. Wash., 1891, 2: 134. [host *a*]

*Ophion bifoveolatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]

*Ophion bifoveolatum* Slosson, Ent. News, 1894, 5: 4. [N.H.]

*Ophion bifoveolatum* Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1894, 18: 125. [host *b*, Ill.]

\* Specimens in the Townes Collection are from Brazil, Iowa, N.Y., N.C., S.C., Tenn., Tex., Venezuela, and Va.



- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1896, 44: 272. [host *b*, Ill.]
- Ophion bifoveolatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *c*, N.H.]
- Ophion bifoveolatum* Felt, Bull. N.Y. State Mus., 1904, 76: 119. [key, des., fig., biol., D.C., Mass., N.J., N.Y., Ont., Tex.]
- Ophion nigrovarium* Felt, Bull. N.Y. State Mus., 1904, 76: 121. [key, des.]
- Ophion bifoveolatus* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bifoveolatum* Forbes, Bull. Ill. Agr. Exp. Sta., 1907, 116: 473. [biol., host *b*, Ill.]
- Ophion bifoveolatum* Forbes, Rpt. State Ent. Ill. on Noxious and Beneficial Insects of Ill., 1908, 24: 161. [des., biol., host *b*, Ill.]
- Ophion bifoveolatum* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bifoveolatus nigrovarius* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 28. [key, des.]
- Ophion bifoveolatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 33. [key, des., biol., host *a d*, Calif., Ill., Mexico, Mont., N.H., Ont., Pa.]
- Ophion nigrovarius* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]
- Ophion bifoveolatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, des., Ga.]
- Ophion (Ophion) bifoveolatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key]
- Ophion bifoveolatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Ophion bifoveolatum* Davis, Bull. Ill. Nat. Hist. Surv., 1919, 13: 85. [fig., biol., host *b*, Ill.]
- Ophion bifoveolatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Ophion bifoveolatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Ophion bifoveolatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
- Ophion bifoveolatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.]
- Ophion bifoveolatum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]
- Ophion bifoveolatum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SCARABAEIDAE: *a*, *Phyllophaga fusca*; *b*, *Phyllophaga* sp. ARCTIIDAE: *c*, arctiid. SATURNIIDAE: *c*, *Callosamia promethea*.

### ***Ophion bilineatus* Say**

- Ophion bilineatus* Say, Contrib. Maclurean Lyceum Arts Sci., 1829, 1: 75; (Leconte Ed., 1: 378). [o.d., Ind. (type destroyed)]
- Ophion bilineatum* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Ophion bilineatus* Say, Boston Jour. Nat. Hist., 1836, 1: 240; (Leconte Ed., 2: 695). [des.]

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- Ophion bilineatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [Lake Superior, Lake Winnipeg, Md., New England, N.Y.]
- Ophion bilineatus* Riley, Ann. Rpt. Insects Mo., 1871, 3: 69. [host *m*]
- Ophion bilineatus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 169. [Tex.]
- Ophion bilineatus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]
- Ophion bilineatus* Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 706. [Nev.]
- Ophion bilineatus* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des., fig.]
- Ophion bilineatus* Saunders, Insects Injurious to Fruits, 1883, p. 273. [fig., host *m*]
- Ophion bilineatum* Taylor, Canad. Ent., 1884, 16: 91. [B.C.]
- Ophion bilineatus* Provancher, Nat. Canad., 1887, 16: 34. [Que.]
- Ophion bilineatus* Lintner, Rpt. Injurious and Other Insects N.Y., 1888, 4: 205. [N.Y.]
- Ophion bilineatus* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1880. [syn., des.] In part.
- Ophion bilineatus* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Ophion bilineatus* Riley and Howard, Insect Life, 1890, 3: 155. [host *b i*, Colo., D.C., Fla., La., Mich., Mo., Mont., Tex., Va.]
- Ophion bilineatum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]
- Ophion bilineatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion bilineatum* Riley, N. Amer. Fauna, 1893, 7: 247. [Calif.]
- Ophion bilineatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion bilineatum* Howard, Tech. Ser. U. S. Dept. Agr., Div. Ent., 1897, 5: 30. [biol., D.C.]
- Ophion bilineatum* Harrington, Canad. Ent., 1897, 29: 44. [des., B.C.]
- Ophion bilineatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Ophion bilineatum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., N.Y.]
- Ophion bilineatum* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Ophion bilineatum* Howard, The Insect Book, 1902, plate 10, fig. 17.
- Ophion bilunatus* (!) Viereck, Trans. Amer. Ent. Soc., 1903, 29: 89. [N.M.]
- Ophion bilineatus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1904, 34: 58. [host *a*, Ont.]
- Ophion bilineatum* Felt, Bull. N.Y. State Mus., 1904, 76: 114. [key, des., fig., biol., N.Y.]
- Ophion bilineatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Ophion bilineatum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.]
- Ophion bilineatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]
- Ophion bilineatus* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.]
- Ophion bilineatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn., des., biol., host *j n*, Alaska, Argentina, Ark., Brazil, B.C., British Honduras, Calif., Chile, Colo., Conn., Del., Ind., Jamaica, Kans., Mexico, Mich., Mont., N.H., N.Y., Ohio, Pa., Porto Rico, Santo Domingo, Wash., Wyo., Va.] In part.

- Ophion (Ophion) bilineatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]
- Ophion bilineatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.]
- Ophion bilineatum* Brues, Rpt. Canad. Arctic Exped. 1913-18, 1919, 3, pt. G: 23. [N.W. Terr.]
- Ophion bilineatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *g h*, Tex.]
- Ophion bilineatum* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Ophion bilineatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]
- Ophion bilineatum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]
- Ophion bilineatum* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Ophion bilineatum* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *h*, Ala., S.C., Tex.]
- Ophion bilineatum* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *b c d f j k l*]
- Ophion bilineatus* Vickery, Tech. Bull. U. S. Dept. Agr., 1929, 138: 39-42. [biol., host *g h*, Tex.]
- Ophion bilineatum* Hinds and Osterberger, Jour. Econ. Ent., 1931, 24: 1172. [host *e*, La.]
- Ophion bilineatum* Brown, Canad. Ent., 1934, 66: 262. [Ont.]
- Ophion bilineatum* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: *a*, *Heterocampa manteo*. PHALAENIDAE: *b*, *Agrotis gladiaria*; *c*, *Agrotis ypsilon*; *d*, *Amathes c-nigrum*; *e*, *Anticarsia gemmatilis*; *f*, *Feltia ducens*; *g*, *Laphygma exigua*; *h*, *Laphygma frugiperda*; *i*, ?*Metaxaglaea inulta*; *j*, *Prodenia eridania*; *k*, *Prodenia ornithogalli*; *l*, *Rusina bicolorago*. ARCTIIDAE: *m*, *Diacrisia virginica*. SATURNIIDAE: *n*, *Samia cecropia*.

### ***Ophion chilensis* Spinola \***

- Ophion chilensis* Spinola, in Gay: Hist. Fisica y Politica Chile, 1851, Zool., 6: 515. ♀. [o.d., Chile (location of type unknown)]
- Ophion chilensis* Glover, Ent. News, 1928, 39: 317. [biol., Calif.]

### ***Ophion costalis* Cresson**

- Ophion costale* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 366. ♀. [o.d., Klamath Co., Calif. (A.N.S.P.)]
- Ophion costalis* Dalla Torre, Cat. Hymen., 1901, 3: 189. [syn.]
- Ophion costale* Felt, Bull. N.Y. State Mus., 1904, 76: 123. [key]
- Genophion gilletti* Felt, Bull. N.Y. State Mus., 1904, 76: 123. ♀. [key, o.d., Colo. (N.Y. State Mus.)]
- Ophion costale* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 26. [key, syn., des.]
- Ophion costalis* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

\* Occurrence in the Nearctic Region needs confirmation.

**Ophion coloradensis** (Felt)

*Genophion coloradensis* Felt, Bull. N.Y. State Mus., 1904, 76: 124. ♀. [key, o.d., Colo. (N.Y. State Mus.)]

*Ophion coloradensis* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 38. ♀. [key, des., fig.]

**Ophion crassus** (Morley) new combination

*Neophion crassus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. ♂. [key, o.d., Nova Scotia (British Mus.)]

**Ophion elongatus** Hooker, new combination

*Ophion bilineatus elongatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 30. ♀. [key, o.d., Colo. (A.N.S.P.)]

**Ophion flavorufus** Brullé \*

*Ophion flavo-rufus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 144. [o.d., Brazil (Paris Mus.)]

*Ophion flavorufus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 162. [des.]

*Neophion flavorufus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 31. [key, des., Mass., N.Y., Tex.]

**Ophion idoneus** Viereck

*Ophion idoneum* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 312. ♂. [o.d., Douglas Co., Kans., 900 ft. (Univ. Kans.)]

*Ophion idoneum* Viereck, Trans. Kans. Acad. Sci., 1906, 32: 182. ♂, ♀. [Kans.]

*Ophion idoneum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 291. [Kans.]

*Ophion bilineatum* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 42. [syn.] In part.

*Ophion idoneum* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host a]

*Ophion idoneum* Hendrickson, Ia. State Col. Jour. Sci., 1930, 4: 151. [Ia.]

PHALAEINIDAE: a. *Rusina bicolorago*.

**Ophion luteus** (Linnaeus)

*Ichneumon luteus* Linnaeus, Syst. Nat., Ed. 10, 1758, 1: 566. [o.d., Europe (Linnean Soc. Coll.)]

*Ophion luteus* Fabricius, Syst. Piez., 1804, p. 130. [des., Europe]

*Ophion luteus* Nielsen, Meddel. om Grønland, 1907, 29: 386. [Greenland]

*Ophion luteus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, syn. (in part), B.C., Calif., Colo., Fla., Hudson Bay., Me., Mass., Mexico, N.Y., N.S., Sask.]

\* Occurrence in the Nearctic Region needs confirmation.

*Ophion luteus* Hendriksen and Lundbeck, Meddel. om Grønland, 1918, 22: 536.  
[syn., Greenland]

*Ophion luteus* Eidmann, Arb. Morph. Tax. Ent., 1935, 2: 102. [Labrador]

**Ophion magniceps** Hooker

*Ophion abnormis magniceps* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 36. ♂,  
♀. [key, o.d., southern Calif. (A.N.S.P.), Mont.]

*Ophion abnormis magniceps* Essig, Insects of Western N. Amer., 1926, p. 792.  
[host *a*, Calif.]

*Ophion abnormis* var. *magniceps* McKenzie, Bull. Calif. Agr. Exp. Sta., 1935,  
592: 21. [host *a*, Calif.]

GEOMETRIDAE: *a*, *Sabulodes caberata*.

**Ophion novascotiae** (Morley) new combination

*Eurycamptus nova-scotiae* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 29. ♀.  
[key, o.d., Nova Scotia (British Mus.), N.Y.]

**Ophion obscuratus** Fabricius \*

*Ophion obscuratus* Fabricius, Ent. System., 1798, suppl., p. 237. ["habitat  
Halae Saxonum" (location of type unknown)]

*Ophion obscurus* Fabricius, System. Piez., 1804, p. 132. [emendation of *Ophion  
obscuratus* Fabricius]

*Ophion obscurus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 59. [key, Colo.,  
Europe, Japan]

**Ophion pallidus** Cockerell, new combination

*Ophion bilineatus* var. *pallida* Cockerell, Sci. Gossip, 1889, 25: 92. [o.d.,  
Saguache, Saguache Co., Colo. (type lost)]

**Ophion slossonae** Davis

*Ophion slossonae* Davis, Ent. News, 1893, 4: 135. ♂. [o.d., host *a*, Conn.  
(A.N.S.P.), Ill.]

*Eremotylus texanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]  
In part.

*Ophion ferruginipennis* Felt, Bull. N.Y. State Mus., 1904, 76: 122. ♀. [key,  
o.d., fig., N.Y. (cotype at N.Y. State Mus.)]

*Ophion slossonae* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 31. [key, syn.,  
des., biol., Ill., Mass., Minn., Newfoundland, N.Y., Pa.]

*Ophion slossonae* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key, des.,  
Ga.]

*Ophion* (*Ophion*) *slossoni* (!) Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917,  
22: 288. [key]

\* Occurrence in the Nearctic Region needs confirmation.

*Ophion slossonae* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

*Ophion slossonae* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]

*Ophion slossonae* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

PHALAEINIDAE: a, *Acronica* sp.

***Ophion stramineus* Taschenberg**

*Ophion stramineus* Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 431. ♀. [o.d., N. Amer. (location of type unknown)]

*Allocamptus stramineus* Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.]

***Ophion subfuliginosus* Ashmead**

*Ophion subfuliginosus* Ashmead, Proc. Calif. Acad. Sci., 1894, 4: 126. ♂, ♀. [o.d., El Taste and El Chinche, Baja California, Mexico (Calif. Acad. Sci.)]

*Ophion subfuliginosus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 29. [key, des., Mexico, N.M., Va.]

*Ophion subfuliginosus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

***Ophion tityri* Packard**

*Ophion tityri* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 19. ♂. [o.d., host c, no locality given, but probably from Mass. (M.C.Z.)]

*Ophion bilineatus* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1880. [key, syn. (in part), des., fig.]

*Ophion tityri* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]

*Ophion tityri* Felt, Bull. N.Y. State Mus., 1904, 76: 116. [key, des., host a b, B.C., Mich., N.Y., Ont.]

*Ophion bilineatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 41. [key, syn., des., biol., host] In part.

*Ophion tityri* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 58. [key]

*Ophion (Ophion) tityri* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key]

*Ophion tityri* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]

NOTODONTIDAE: a, *Symmerista albifrons*. ARCTIIDAE: b, *Halisidota caryae*. HESPERIIDAE: c, *Proteides clarus*.

**ENICOSPILUS** Stephens

*Enicospilus* Stephens, Ill. Brit. Ent., 1835, 7: 126, plate 10, fig. e.

Genotype: *Ophion merdarius* Gravenhorst.

*Henicospilus* Agassiz, Nomen. Zool., 1846, Index. Univ., p. 138. [emendation of *Enicospilus* Stephens]

*Allocamptus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 150. New synonymy.

Genotype: *Ophion undulatus* Gravenhorst.

*Pleuroneurophion* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 86. New synonymy.

Genotype: *Pleuroneurophion hawaiiensis* Ashmead.

*Banchogastra* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 87. New synonymy.

Genotype: *Banchogastra nigra* Ashmead.

*Cymatoneura* Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 22, 74.

Genotype: *Ophion undulatus* Gravenhorst.

*Pterospilus* Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 156. Preoccupied by Rondani, 1856. New synonymy.

Genotype: *Ophion* (*Enicospilus*) *dubius* Tosquinet.

*Abanchogastra* Perkins, Trans. Ent. Soc. London, 1902, p. 141. New synonymy.

Genotype: *Abanchogastra debilis* Perkins.

*Ophiomorpha* Szépligeti, Genera Insectorum, 1905, 34: 34. Preoccupied by Nilsson, 1836.

Genotype: (*Ophiomorpha curvinervis* Cameron) = *cameroni* Dalla Torre.

*Cryptocampius* Brethes, Anal. Mus. Nac. Buenos Aires, 1909, 19: 230.

Genotype: *Ophion undulatus* Gravenhorst.

*Eremotylodes* Perkins, Trans. Ent. Soc. London, 1914, p. 530. New synonymy.

Genotype: *Eremotylus orbitalis* Ashmead.

*Amesospilus* Enderlein, Beitr. Landf. Sudwestafrik, 1918, 1: 222. New synonymy.

Genotype: *Amesospilus herero* Enderlein.

*Schizospilus* Séyrig, Mem. Mus. Hist. Nat. Paris, 1936, 4: 79. New synonymy.

Genotype: *Schizospilus divisus* Seyrig.

#### ***Enicospilus americanus* (Christ) new combination**

(not named) Drury, Illustr. Exotic Ent., 1770, 1: 97. [des., fig., N.Y.]

*Ichneumon macrurus* Linnaeus, Mantissa Plantarum, 1771, 2: 540. [syn.] In part. The description applies to a species of *Megarhyssa*.

*Ichneumon macrurus* Drury, Illustr. Exotic Ent., 1772±, 1, index: 2. [syn.] Misdetermined.

*Ichneumon luteus americanus* Christ, Naturgeschichte Classification und Nomenclature der Insecten, 1791, p. 358, pl. 37, fig. 5. [o.d., fig., N.Y. (location of type unknown)]

*Ophion macrurum* Westwood, in Drury: Illustr. Exotic Ent., Ed. 2, 1837, 1: 92. [des., fig., biol.] Misdetermined.

*Ophion rugosus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 138. [o.d., N. America (Paris Mus.)]

*Ophion macrurum* Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., biol., N.Y.] Misdetermined.

*Ophion cecropiae* Scudder, Proc. Boston Soc. Nat. Hist., 1863, 9: 188-189. [biol., host *h*] Nomen nudum.

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- Ophion macrurum* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., host *h k*, Ill., La., N. England, N.Y., Pa.] Misdetermined.
- Ophion cecropiae* Sanborn, Ann. Rpt. Secr. Mass. Bd. Agr., 1863, 10: 169, [o.d., host *h*, Mass. (?type lost)] New synonymy.
- Ophion macrurum* Trouvelot, Amer. Natural., 1868, 1: 89. [fig., biol., host *k*] Misdetermined.
- Ophion macrurus* Smith, Trans. Ent. Soc. London, 1868, (3), 5: Proc. XXXII. [biol., host *f h*, N.Y.] Misdetermined.
- Ophion macrurum* Chambers, Amer. Ent., 1870, 2: 156. [host *k*, La.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1870, 2: 100-101. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Riley, Ann. Rpt. Insects Mo., 1872, 4: 107-108. [fig., biol., host *h*] Misdetermined.
- Ophion macrurum* Cresson, Trans. Ent. Soc. Phila., 1872, 4: 169. [Tex.] Misdetermined.
- Ophion macrurum* Reed, Ann. Rpt. Ent. Soc. Ont., 1873, 3: 40. [host *k*] Misdetermined.
- Ophion undulatus* Taschenberg, Ztschr. f. d. Ges. Naturw., 1875, 46: 430. [des., host *h*, N. America] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1875, 7: 314. [Que.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1875, 5: 25. [fig., biol.] Misdetermined.
- Ophion macrurum* Cresson, Rpt. Wheeler Exped. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.] Misdetermined.
- Ophion macrurum* Saunders, Ann. Rpt. Ent. Soc. Ont., 1876, 6: 42. [biol., host *k*] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent., 1876, 8: 220. [biol., host *h k*, Ill.] Misdetermined.
- Ophion macrurum* Gentry, Canad. Ent., 1877, 9: 50. [host *h*, Pa.] Misdetermined.
- Ophion macrurum* Worthington, Canad. Ent., 1877, 9: 60. [biol.] Misdetermined.
- Ophion macrurum* French, Rpt. State Ent. on Noxious and Beneficial Insects Ill., 1878, 7: 194. [host *h*, Ill.] Misdetermined.
- Ophion macrurum* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 350). ♂, ♀. [key, syn., des.] Misdetermined.
- Ophion macrurum* Riley, Amer. Ent., 1880, 3: 134. [biol., host *c*] Misdetermined.
- Ophion macrurum* Saunders, Canad. Ent., 1882, 14: 43. [biol., host *k*] Misdetermined.
- Ophion Macrurum* Clarkson, Canad. Ent., 1883, 15: 162. [host *k*] Misdetermined.



- Ophion macrurum* Saunders, Insects Injurious to Fruits, 1883, p. 78, 175, 212.  
[fig., biol., host *d h k*] Misdetermined.
- Ophion macrurum* Weed, Papilio, 1884, 4: 112. [host *i*] Misdetermined.
- Ophion macrurum* Waterhouse, Trans. Ent. Soc. London, 1887, Proc. p. XXIII.  
[host *e*] Misdetermined.
- Ophion macrurus* Fallou, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CXXXII.  
[host *h*] Misdetermined.
- Ichneumon macrurus* Clément, Ann. Soc. Ent. France, 1889, (6), 9, Bull. p. CLI.  
[host *h*] Misdetermined.
- Ophion macrurum* Coquillett, Insect Life, 1889, 1: 286. [Calif.] Misdetermined.
- Ophion macrurum* Webster, Insect Life, 1890, 2: 383. [host *e*] Misdetermined.
- Ophion macrurum* Riley and Howard, Insect Life, 1890, 3: 154. [host *a h k*, D.C.] Misdetermined.
- Ophion macrurum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.] Misdetermined.
- Ophion macrurum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.
- Ophion macrurum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Ophion macrurum* Fyles, Ann. Rpt. State Ent. Minn., 1894, 25: 55. [fig., biol.] Misdetermined.
- Ophion macrurum* Evans, Canad. Ent., 1896, 28: 10. [Ont.] Misdetermined.
- Ophion macrurum* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. [key, des.] Misdetermined.
- Ophion macrurum* Webster, Bull. Ohio Agr. Exp. Sta., 1897, 86: 33. [biol., host *h*] Misdetermined.
- Ophion macrurum* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J.] Misdetermined.
- Eremotylus Druryi* Kriechbaumer, Ztschr. Hymen. Dipt., 1901, 1: 152. [o.d., host *e f k*, N.Y. (Munich Mus.)]
- Enemotylus* (!) sp. Eliot and Soule, Caterpillars and their Moths, 1902, p. 56. [fig., biol.]
- Ophion macrurum* Howard, The Insect Book, 1902, plate 9, fig. 8. Misdetermined.
- Eremotylus macrurus* Felt, Bull. N.Y. State Mus., 1904, 76: 101-104. [key, syn., des., fig., biol., host *a c d e f h i k*, D.C., Mass., N.Y., Ont.] Misdetermined.
- Allocamptus macrurus* Szépligeti, Genera Insectorum, 1905, 34: 36. [syn.] Misdetermined.
- Ophion macrurum* Smith, Jour. Econ. Ent., 1908, 1: 294-297. [biol., host *h*, N.J., N.Y.] Misdetermined.
- Ophion bilineatus* Hitchings, Ann. Rpt. State Ent. Me., 1908, 3: 12. [host *h k*, Me.] Misdetermined.

- Ophion macrurum* Fiske and Thompson, Jour. Econ. Ent., 1909, 2: 453-459. [host *e h k*, parasite *a b*] Misdetermined.
- Ophion macrurus* Schulz, Zool. Annal., 1911, 4: 7, 8. [fig., parasite *c*] Misdetermined.
- Eremotylus macrurus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [key, syn., des., biol., host *c f h k*, Ark., Calif., Fla., Ill., Ind., Md., Mexico, Mich., Minn., N.H., N.J., N.Y., N.C., Ont., Pa., R.I., Tex.] Misdetermined.
- Allocamptus macrurus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 24. [syn., des., host *e f g h*, Del., Mexico] Misdetermined.
- Ophion macrurum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.] Misdetermined.
- Ophion (Allocamptus) macrurus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, fig., host *h*, Conn.] Misdetermined.
- Eremotylus macrurus* (as *Allocamptus* p. 174) Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172, 174. [fig., Minn.] Misdetermined.
- Ophion macrurum* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.] Misdetermined.
- Eremotylus macrurus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.] Misdetermined.
- Enicospilus macrurus* Essig, Insects of Western N. Amer., 1926, p. 792, 793. [des., fig., biol., host *j k*, Calif.] Misdetermined.
- Eremotylus macrurus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.] Misdetermined.
- Eremotylus macrurus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.] Misdetermined.
- Eremotylus macrurus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [Mass.] Misdetermined.
- Eremotylus macrurus* Montgomery, Canad. Ent., 1933, 65: 185. [host *h k*, Ind.] Misdetermined.
- Eremotylus macrurus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *b d e f h k l*, Conn., Me., N.H., N.J., N.Y., Pa., R.I., Vt.] Misdetermined.
- Eremotylus macrourus* (!) Brimley, Insects of N.C., 1938, p. 414. [N.C.] Misdetermined.
- Eremotylus macrurus* Beaulne, Canad. Ent., 1939, 71: 120. [host *k*, Que.] Misdetermined.

ZANOLIDAE: a, *Apatelodes torrefacta*. PHALAENIDAE: b, *Acronicta* sp. ARCTIIDAE: c, *Isia isabella*. SATURNIIDAE: d, *Automeris io*; e, *Calosamia promethea*; f, *Philosamia walkeri advena*; g, *Rothschildia orizaba*; h, *Samia cecropia*; i, *Samia columbia*; j, *Samia rubra*; k, *Telea polyphemus*; l, *Tropaea luna*.

PARASITES. ICHNEUMONIDAE: a, *Gelis tenellus*; b, *Theronia atalantae*. TRIGONALIDAE: c, *Lycogaster pullata*.

**Enicospilus appendiculatus** (Felt)

*Ophion* (*Enicospilus*) *appendiculatum* Felt, Psyche, 1902, 9: 308. (sex?).  
[o.d., ?N.J. (N.Y. State Mus.)]

*Enicospilus appendiculatus* Felt, Bull. N.Y. State Mus., 1904, 76: 113. [key, des., fig., Ala.]

*Henicospilus appendiculatus* Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

*Enicospilus flavus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 71. [key, syn., des., fig., biol.] In part.

*Henicospilus appendiculatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37. [key]

?*Enicospilus flavus* Brimley, Insects of N.C., 1938, p. 414. [N.C.] Mis-determined?

**Enicospilus arcuatus** (Felt)

*Ophion* (*Enicospilus*) *arcuatum* Felt, Psyche, 1902, 9: 307. (no sex given).  
[o.d., Albany, N.Y.; Ithaca, N.Y.; S. Britain, Conn. (N.Y. State Mus.), Ga., Mass., N.H.]

*Enicospilus arcuatus* Felt, Bull. N.Y. State Mus., 1904, 76: 112. [key, des., fig., Conn., Ga., Ill., Mass., N.H., N.Y.]

*Henicospilus arenatus* (!) Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

*Enicospilus purgatus arcuatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 76. [key, des., host c]

*Henicospilus arcuatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 37. [key]

*Ophion* (*Enicospilus*) *arcuatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]

*Eremotylus arcuatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]

*Enicospilus purgatus* var. *arcuatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

*Enicospilus purgatus arcuatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host a b, Conn., Me., Mass., N.H., N.Y.]

*Enicospilus arcuatus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

NOTODONTIDAE: a, *Heterocampa guttivitta*; b, *Schizura concinna*. PHALAENIDAE: c, *Scoliopteryx libatrix*.

**Enicospilus concolor** (Cresson) \*

*Ophion concolor* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 56. (♀). [o.d., Cuba (A.N.S.P.)]

*Ophion* (*Enicospilus*) *concolor* Cameron, Biol. Centr.-Amer., 1886, Hymen. 1: 291. [des., fig., Guatemala]

\* The following Nearctic material is in the Townes Collection: ♂ Manatee Co., Fla., I—3—25, T. H. Hubbell; ♀ Miami, Fla., XI—6—40, L. L. Pechuman.

**Enicospilus cubensis** (Norton) \*

*Ophion cubensis* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. ♀. [o.d., Cuba (A.N.S.P.)]

*Enicospilus cubensis* Ashmead, Trans. Ent. Soc. London, 1900, p. 354. [syn., Grenada, Jamaica, Mauritius, St. Vincent]

**Enicospilus cubitalis** (Morley) new combination

*Allocamptus cubitalis* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 25. ♀. [o.d., St. Johns Bluff in east Florida, Jamaica, Chilpancingo at 4600 ft. in Guerrero, Mexico (British Mus.)]

**Enicospilus glabratus** (Say)

*Ophion glabratus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.] Nomen nudum.

*Ophion glabratus* Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 695). [o.d., Ind. (type destroyed)]

*Ophion glabratus* Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 196. [des., fig., N.Y.]

*Ophion glabratus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [key]

*Ophion glabratus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

*Ophion arctiae* Riley and Howard, Insect Life, 1890, 1: 155. [host *c f g*, Calif., Ga., S.C.] Nomen nudum.

*Ophion glabratum* Riley and Howard, Insect Life, 1890, 3: 155. [host *e*]

*Eremotylus arctiae* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 192. ♂, ♀. [o.d., host *b c g i*, Ala., Calif., Miss., N.J., Tenn. (U.S.N.M.)]

*Orphion* (!) *macrurum* Morgan, Bull. La. Agr. Exp. Sta., 1897, 48: 159. [host *a*, La.] Misdetermined.

*Eremotylus arctiae* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J., Pa.]

*Eremotylus arctiae* Morgan, Bull. U. S. Dept. Agr., Office Exp. Sta., 1901, 99: 183. [fig., host *a*, La.]

*Eremotylus arctiae* Felt, Bull. N.Y. State Mus., 1904, 76: 105. [key, des., host *d h*, Calif., Mass., Mich., Ont., Pa., Tex.]

*Eremotylus glabratus* Felt, Bull. N.Y. State Mus., 1904, 76: 106. [key, des.]

*Henicospilus lateralis* Szépligeti, Genera Insectorum, 1905, 34: 27. [syn.]

*Eremotylus arctiae* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 146. [key, des., biol., host *d*, Ala., Calif., Ga., Ind., Kans., Pa., Tenn., Tex.]

*Eremotylus macrurus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 148. [syn.] In part.

*Ophion glabratus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 60. [key, des.]

*Eremotylus arctiae* Mitchell, Ent. News, 1919, 30: 194. [host *b*, Tex.]

\* The following Nearctic material is in the Townes Collection: ♂ Dade Co., Fla., Mar., 1938, F. W. Fisk; ♀ Miami, Fla., X—12—40, L. L. Pechuman.

*Eremotylus glabratus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1922, 23: 170. [syn., des.]

*Eremotylus glabratus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]

*Eremotylus arctiae* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

LASIOCAMPIDAE: a, *Artace cribaria*. ARCTIIDAE: b, *Diacrisia virginica*; c, *Ecpantheria deflorata*; d, *Halisidota maculata*; e, *Hyphantria cunea*; f, *Isia isabella*. SATURNIIDAE: g, *Automeris io*; h, *Callosamia promethea*. MISCELLANEOUS: i, cocoon under bark of *Pinus* sp.

### ***Enicospilus purgatus* (Say)**

*Ophion purgatus* Say, Boston Jour. Nat. Hist., 1836, 1: 239; (Leconte Ed., 2: 694). [o.d., Ind. (type destroyed)]

*Ophion lateralis* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 141. [o.d., Carolina (Paris Mus.)]

*Ophion purgatus*? Emmons, Nat. Hist. N.Y., 1854, (pt. 5), 5: 197. [des., fig.]

*Ophion purgatus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 358. [syn., Fla., Ill., New England, N.Y., Pa.]

*Ophion purgatus* Riley, Ann. Rpt. Insects Mo., 1870, 2: 53. [syn., des., fig., biol., host i, Carolina, Ill., Ind., Me., Mass., Mo., N.Y.]

*Ophion purgatus* Provancher, Nat. Canad., 1874, 6: 104. [key, Que.]

*Ophion purgatus* Cresson, Rpt. Wheeler Explor. (Eng. Dept. U. S. Army), 1875, Zool., 5: 708. [Nev.]

*Ophion purgatus* Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host i]

*Ophion purgatus* Provancher, Nat. Canad., 1879, 11: 117; (Faune, p. 351). ♂, ♀. [key, des.]

*Ophion purgatus* Thomas, Rpt. on the Noxious and Beneficial Insects Ill., 1881, 10: 41. [biol., host i, Ill.]

*Ophion purgatus* Caulfield, Canad. Ent., 1884, 16: 123. [host f, Que.]

*Ophion purgatus* Provancher, Nat. Canad., 1887, 16: 34. [Que.]

*Ophion purgatum* Fletcher, Rpt. Exp. Farms Canada for 1888, 1889, p. 57. [host o, Ont.]

*Ophion purgatus* Provancher, Nat. Canad., 1889, 19: 248. [Que.]

*Ophion purgatum* Fletcher, Ann. Rpt. Ent. Soc. Ont., 1889, 19: 10. [host o, Ont.]

*Ophion purgatus* Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 269. [host d]

*Ophion purgatus* Webster, Bull. U. S. Dept. Agr., Div. Ent., 1890, 22: 46. [host i n, Ind.]

*Ophion purgatum* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

*Ophion purgatus* Riley and Howard, Insect Life, 1890, 3: 155. [host d o, Ala., Ariz., Calif., Mo., Va.]

*Ophion purgatum* Webster, Insect Life, 1890, 2: 382. [host n]

*Ophion purgatum* Smith, Rpt. N.J. Geologist, 1890, 2: 25. [N.J.]

- Ophion purgatum* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 15. [Ia.]
- Ophion* (!) *purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1894, 25: 54. [Que.]
- Ophion purgatum* Evans, Canad. Ent., 1896, 28: 10. [Ont.]
- Ophion purgatum* Lugger, Bull. Minn. Agr. Exp. Sta., 1896, 48: 45, 46. [biol., host *i*, Minn.]
- Enicospilus purgatus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*, N.H.]
- Ericsopelus* (!) *purgatum* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]
- Enicospilus purgatus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [fig., N.J., N.Y.]
- Enicospilus purgatus* Howard, The Insect Book, 1902, plate 10, fig. 19.
- Enicospilus purgatus* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 233. [Alaska]
- Enicospilus purgatus* Felt, Bull. N.Y. State Mus., 1904, 76: 108-111. [key, des., biol., host *c f p*, Alaska, Ariz., B.C., Calif., Colo., Ga., Kans., Man., Mass., Mich., Mo., N.H., N.M., N.Y., Ont., Ore., Tex., Va., Wash., Wyo.]
- Ophion purgatum* Nason, Ent. News, 1905, 16: 151. [Ill.]
- Henicospilus purgatus* Schulz, Spolia Hymen., 1906, p. 98. [syn.]
- Ophion purgatum* Tucker, Trans. Kans. Acad. Sci., 1909, 22: 292. [Kans.]
- Enicospilus purgatus* Viereck, Rpt. N.J. Mus. for 1909, 1910, p. 620. [N.J.]
- Enicospilus purgatus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 79. [key, syn., des., fig., biol., host *e*, Ala., Alaska, Argentina, Ariz., Calif., Canada, Colo., D.C., Ga., Mass., Mexico, Mich., Mo., Nev., N.H., N.Y., Pa., Tex., Va., Wis.]
- Henicospilus purgatus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 33, 37. [key, syn., des., Barbados, British Guiana, Colo., Fla., Grenada, Juan Fernandez, Lake Huron, Nicaragua, St. Vincent, N.S.] In part.
- Enicospilus purgatus* Dew, Jour. Econ. Ent., 1913, 6: 365. [host *k*, Ala.]
- Henicospilus purgatus* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 409. [syn.] In part.
- Enicospilus purgatus* Vickery, Jour. Econ. Ent., 1915, 8: 391, 392. [biol., host *g h i*, Tex.]
- Enicospilus purgatus* Hinds and Dew, Bull. Ala. Agr. Exp. Sta., 1915, 186: 87, 89. [fig., biol., host *k*, Ala.]
- Enicospilus purgatus* Walton, Farmers' Bull. U. S. Dept. Agr., 1916, 731: 3. [fig., host *i*]
- Ophion purgatum* Fyles, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 57. [Que.]
- Ophion* (*Enicospilus*) *purgatus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 288. [key, Conn.]
- Enicospilus purgatus* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]

- Enicospilus purgatus* Jones, Bull. U. S. Dept. Agr., 1918, 703: 12. [host *j*, La.]  
*Enicospilus purgatus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 171. [Carolina]  
*Enicospilus purgatus* Vickery, Proc. Ent. Soc. Wash., 1925, 27: 139. [host *g i*, Tex.]  
*Enicospilus purgatus* Collins, Jour. Agr. Res., 1926, 32: 693. [host *b*, New England]  
*Enicospilus purgatus* Vickery, Jour. Agr. Res., 1926, 32: 1115. [biol., host *g i*, Tex.]  
*Enicospilus purgatus* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]  
*Enicospilus purgatus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 134. [Me.]  
*Enicospilus purgatus* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]  
*Enicospilus purgatus* Luginbill, Tech. Bull. U. S. Dept. Agr., 1928, 34: 61-63. [biol., host *k*, Ala., S.C., Tex.]  
*Enicospilus purgatus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 952. [N.Y.]  
*Enicospilus purgatus* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Enicospilus purgatus* Crumb, Tech. Bull. U. S. Dept. Agr., 1929, 88: 41. [host *j l m*]  
*Enicospilus purgatus* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 3, no. 2: 104. [host *f*, Mass.]  
*Enicospilus purgatus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 144. [biol., host *f*, Mass.]  
*Enicospilus purgatus* Brimley, Insects of N.C., 1938, p. 414. [N.C.]  
*Enicospilus purgatus* Knowlton and Harmston, Proc. Ut. Acad. Sci. Arts Letters, 1939, 16: 61. [Ut.]

DREPANIDAE: *a*, *Drepana bilineata*. NOTODONTIDAE: *b*, *Heterocampa guttivitta*; *c*, *Schizura concinna*; *d*, *Schizura unicornis*. PHALAENIDAE: *e*, *Alabama argillacea*; *f*, *Ceramica picta*; *g*, *Cirphis latiuscula*; *h*, *Cirphis multilinea*; *i*, *Cirphis unipuncta*; *j*, *Feltia subterranea*; *k*, *Laphygma frugiperda*; *l*, *Peridromia margaritosa*; *m*, *Prodenia ornithogalli*; *n*, *Scoliopteryx libatrix*; *o*, *Scotogramma trifolii*. TEPHRITIDAE: *p*, *Eurosta solidaginis*.

### ***Enicospilus texanus* (Ashmead) new combination**

- Thyreodon texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 422. ♂. [o.d., Tex. (U.S.N.M.)]  
*Eremotylus texanus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 193. [syn.]  
 In part.  
*Eremotylus texanus* Howard, The Insect Book, 1902, plate 9, fig. 5.  
*Eremotylus texanus* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 156. [key, des.]  
*Macrophion texanus* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 14. [key]  
*Eremotylus texanus* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [Man.]

**RHYNCHOPHION** Enderlein

*Rhynchophion* Enderlein, Zool. Anz., 1912, 39: 630.

Genotype: *Rhynchophion odontandroplax* Enderlein.

**Rhynchophion flammipennis** (Ashmead) \* new combination

*Thyreodon flammipennis* Ashmead, Proc. Calif. Acad. Sci., 1894, (2), 4: 125.

♀. [o.d., El Taste, Baja California, Mexico, 3500 ft. (?Calif. Acad. Sci.)]

*Thyreodon flammipennis* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 129. [key, des., Mexico]

*Thyreodon flammipennis* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 12. [key, Mexico]

**THYREODON** Brullé

*Thyreodon* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 150.

Genotype: *Thyreodon cyaneus* Brullé.

*Oleter* Shestakov, Konowia, 1926, 5: 259. New synonymy.

Genotype: (*Oleter selenaction* Shestakov) = *laticinctus* Cresson. New synonymy.

**Thyreodon atricolor atricolor** (Olivier)

*Ophion atricolor* Olivier, Encycl. Méthod. Insectes, 1811, 8: 511. ♀. [o.d., Carolina (location of type unknown)]

*Ophion morio* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835. p. 585. [Mass.] Misdetermined.

*Thyreodon morio* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 152. ♀. [des., Carolina] Misdetermined.

*Thyreodon morio* Norton, Proc. Ent. Soc. Phila., 1863, 1: 359. [syn., des., Ill., New England, N.Y., Pa.] Misdetermined.

*Ophion morio* Walsh, Amer. Ent., 1868, 1: 7. [biol.] Misdetermined.

*Thyreodon morio* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 170. [Tex.] Misdetermined.

*Thyreodon noir* (!) Provancher, Nat. Canad., 1876, 8: 317. [Que.] Misdetermined.

*Thyreodon morio* Provancher, Nat. Canad., 1879, 11: 119; (Faune, p. 352). ♀. [des.] Misdetermined.

*Thyreodon morio* Dimmock, Psyche, 1884, 4: 282. [biol., host *b*, parasite ?*a*, Mass.] Misdetermined.

*Thyreodon morio* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.] Misdetermined.

*Thyreodon morio* Packard, Rpt. U. S. Dept. Agr. Ent. Comm., 1890, 5: 489. [host *b*, Mass.] Misdetermined.

\* I have seen the following Nearctic material: ♀ Huachuca Mts., Ariz., VII—28—07, Jas. S. Hine (Townes Coll.); ♀ Douglas, Ariz., VIII—22—32, W. W. Jones (U.S.N.M.); 2 ♂ Douglas, Ariz., VIII—2—33, W. W. Jones (U.S.N.M.); ♀ Tucson, Ariz. (U.S.N.M.).



- Thyreodon morio* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Conn., D.C., Mass., Mo.] Misdetermined.
- Thyreodon morio* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *b*, Mass., N.H.] Misdetermined.
- Thyreodon morio* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 156. [biol., parasite *a*] Misdetermined.
- Thyreodon morio* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.] Misdetermined.
- Thyreodon morio* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.] Misdetermined.
- Thyreodon morio* Howard, The Insect Book, 1902, plate 10, fig. 15. Misdetermined.
- Thyreodon morio* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. [Kans.] Misdetermined.
- Thyreodon morio* Fletcher and Gibson, Ann. Rpt. Ent. Soc. Ont., 1909, 39: 112. [Man.] Misdetermined.
- Thyreodon morio* Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 621. [N.J.] Misdetermined.
- Thyreodon morio* Enderlein, Zool. Anz., 1912, 39: 627. [N.Y.] Misdetermined.
- Thyreodon morio* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 118. [key, syn., des., biol., host *a b*, Ariz., Colo., Fla., Kans., Me., Man., Ohio, Pa., Que., Tex.] Misdetermined.
- Thyreodon morio* Morley, Rev. Ichneum. Brit. Mus., 1912, 1: 10. [key, syn., Fla., N.Y.] Misdetermined.
- Thyreodon morio* Gibson, Ann. Rpt. Ent. Soc. Ont., 1916, 46: 222. [Ont.] Misdetermined.
- Thyreodon brullei* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 287. [des., Conn., new name for *Thyreodon morio* of authors]
- Thyreodon brullei* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 170. [fig.]
- Thyreodon morio* Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.] Misdetermined.
- Thyreodon atricolor* Gahan, Jour. Wash. Acad. Sci., 1922, 12: 214. [syn.]
- Thyreodon atricolor* Bradley, Bull. Lloyd Libr., 1926, 27: 171. [N.Y.]
- Thyreodon brullei* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 133. [Me.]
- Thyreodon brullei* Viereck, Bull. N.Y. State Mus., 1928, 274: 185. [N.Y.]
- Thyreodon atricolor* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 953. [N.Y.]
- Thyreodon atricolor* Brimley, Insects of N.C., 1938, p. 414. [N.C.]

SPHINGIDAE: *a*, *Lapara coniferarum*; *b*, *Paonias excaecatus*.

PARASITE. CHALCIDIDAE: *a*, *Epiencyrtus thyreodontis*.

**Thyreodon atricolor flavicorne** (Say) new combination

*Anomalon flavicornis* Say, West. Quart. Rpt., 1823, 2: 73; (Leconte Ed., 1: 163).

[o.d., "Arkansa near the Rocky Mts." (type destroyed)]

*Anomalon flavicornis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.  
[Mass.]

*Ophion flavicornis* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585.  
[syn.]

*Anomalon flavicorne* Riley and Howard, Insect Life, 1890, 3: 155. [host *a*, Mo.]

*Anomalon flavicorne* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]

*Thyreodon snowi* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 313. ♀. [o.d.,  
Wallace Co., Kans., 3000 ft. (Univ. Kans.)] New synonymy.

*Thyreodon morio transitionalis* Viereck, Trans. Amer. Ent. Soc., 1906, 32: 225.  
♀. [o.d., Oak Creek Canyon, Ariz., 6000 ft. (Univ. Kans.)] New syn-  
onymy.

*Thyreodon snowi* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 125. [key, des.]

*Thyreodon morio transitionalis* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 132.  
[key, des., Ariz., Kans., Minn., Mo.]

*Heteropelma fulvicorne* (!) Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 68.  
[key, syn. (in part), des.]

*Thyreodon bruelleri* (!) var. *transitionalis* Washburn, Ann. Rpt. State Ent. Minn.,  
1918, 17: 172. [Minn.]

*Thyreodon flavicornis* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23:  
156. [syn., des.]

GEOMETRIDAE: *a*, geometrid on black oak.

**Thyreodon fernaldi** Hooker

*Thyreodon fernaldi* Hooker, Trans. Amer. Ent. Soc., 1912, 38: 131. ♂, ♀.  
[key, o.d., Colo., Ariz., & Mexico (A.N.S.P. and U.S.N.M.)]

## Subfamily 12. MESOCHORINAE

**CIDAPHUS** Foerster

*Cidaphus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 149.

Genotype: *Cidaphus thuringiacus* Brauns.

*Plesiophthalmus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 170.  
Preoccupied by Motschoulsky, 1858.

Genotype: *Mesochorus alarius* Gravenhorst.

*Mater* Schulz, Zool. Ann., 1911, 4: 22 [new name for *Plesiophthalmus* Foerster]  
*Tetragonalys* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 132.

Genotype: *Tetragonalys barbarica* Morley. By designation of Morley,  
Fauna Brit. India, 1913, Hymen., 3: 339.

*Plesiophthalmidea* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119.

Genotype: *Plesiophthalmus paniscoides* Ashmead.

*Ophthalmochorus* Roman, Archiv für Zoologi, 1925, 17, A, no. 4: 29. [new name for *Plesiophthalmus* Foerster]

***Cidaphus australis* Cushman**

*Cidaphus australis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 6. ♀.  
[key, o.d., Langdale, Chambers Co., Ala. (U.S.N.M.)]

*Cidaphus melleus* Walley, Canad. Ent., 1935, 67: 112. ♂, ♀. [o.d., Mer Bleue (Ottawa Region), Ont. (C.N.C.)] New synonymy.

*Cidaphus australis* Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Cidaphus occidentalis* Cushman**

*Cidaphus occidentalis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5. ♀.  
[key, o.d., fig., Revelstoke, B.C. (U.S.N.M.), Wash.]

*Cidaphus occidentalis* Walley, Canad. Ent., 1935, 67: 111. [des., Alta., B.C., Que.]

***Cidaphus paniscoides* (Ashmead)**

*Plesiophthalmus paniscoides* Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Mass. (U.S.N.M.)]

*Plesiophthalmus paniscoides* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.Y.]

*Plesiophthalmidea paniscoides* Viereck, Bull. U. S. Nat. Mus., 1914, 83: 119. [syn.]

*Cidaphus paniscoides* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 5.  
[key, fig., Md., Mass., N.H., N.Y., Pa.]

*Cidaphus paniscoides* Walley, Canad. Ent., 1935, 67: 111. [Ont.]

**ASTIPHROMMA Foerster**

*Astiphromma* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 24: 170.  
Genotype: *Mesochorus scutellatus* Gravenhorst.

*Astiphrommus* Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327.  
Genotype: *Mesochorus scutellatus* Gravenhorst.

***Astiphromma pectorale* Ashmead**

*Astiphromma pectoralis* Ashmead, Ent. News, 1892, 3: 107. ♂. [o.d., Tex. (U.S.N.M.)]

*Astiphromma pectoralis* Brimley, Insects of N.C., 1938, p. 417. [N.C.]

***Astiphromma strenuum* (Holmgren)**

*Mesochorus strenuus* Holmgren, Svensk. Vet.-Akad. Handl., 1858, 2, no. 2, pt. 8: 119. ♂, ♀. [o.d., Sweden, Norway (?Stockholm Mus.)]

*Plectiscus pleuralis* Provancher, Nat. Canad., 1875, 7: 330. ♂ (not ♀).  
[o.d., Que. (M.P.Q.)] New synonymy.

- Mesochorus pleuralis* Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).  
 ♂ (not ♀). [key, des.]
- Mesochorus pleuralis* Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791).  
 [key]
- Plectiscus pleuralis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]
- Plectiscus pleuralis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 245. ♂ (not ♀).  
 [key, des.]
- Plectiscus provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 24. [new name for  
*Plectiscus pleuralis* Provancher]
- Astiphromma strenuus* Dalla Torre, Cat. Hymen., 1901, 3: 61. [syn.]
- Mesochorus orcae* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. ♂. [key,  
 o.d., Orca, Alaska (U.S.N.M.)]
- Plectiscidea pleuralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 276.  
 [key]
- Plectiscus pleuralis* Bradley, Canad. Ent., 1939, 71: 95. [syn.]
- Astiphromma pleuralis* Townes, Canad. Ent., 1939, 71: 96. [syn.]

### MESOCHORUS Gravenhorst

- Mesochorus* Gravenhorst, Ichneum. Europeae, 1829, 2: 960.  
 Genotype: *Mesochorus splendidulus* Gravenhorst.
- Stictopisthus* Thomson, Ann. Soc. Ent. France, 1886, (6), 5: 327. New syn-  
 onymy.
- Genotype: *Mesochorus bilineatus* Thomson.

### *Mesochorus agilis* Cresson

- Mesochorus agilis* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 266. ♀. [o.d.,  
 Colo. (A.N.S.P.)]
- Mesochorus agilis* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, des.]
- Mesochorus agilis* Slosson, Ent. News, 1898, 9: 253. [N.H.]
- Mesochrus* (!) *agilis* Gillette, Bull. Colo. Agr. Exp. Sta., 1905, 98: 11. [fig.,  
 host *a*, Colo.]
- Mesochorus agilis* Paddock, Jour. Econ. Ent., 1912, 5: 442. [host *a*]
- Mesochorus agilis* Swenk, Bull. State Ent. Neb., 1918, 7: 8. [host *a*, Neb.]
- Mesochorus agilis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 959.  
 [N.Y.]
- BRACONIDAE: *a*, *Bracon vulgaris*.

### *Mesochorus atriventris* Cresson

- Mesochorus atriventris* Cresson, Canad. Ent., 1872, 4: 21. ♂. [key, o.d., Ill.  
 (A.N.S.P.)]
- Mesochorus atriventris* Provancher, Nat. Canad., 1879, 11: 208; (Faune, p.  
 381). ♀. [key, des., Que.] Not *Mesochorus atriventris* of Cresson.
- Mesochorus atriventris* Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).  
 ♀. [key, syn., des., Que.]

*Mesochorus politus* Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).  
♀. [key, o.d., Que. (M.P.Q.)] Preoccupied by Gravenhorst, 1829. New synonymy.

*Mesochorus provancheri* Dalla Torre, Cat. Hymen., 1901, 3: 57. [new name for *Mesochorus politus* Provancher]

*Mesochorus politus* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Mesochorus provancheri* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

*Mesochorus atriventris* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

### ***Mesochorus calais* Viereck**

*Mesochorus calais* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280.  
(♀). [o.d. in key, Yalesville, Conn. (Conn. Agr. Exp. Sta.)]

### ***Mesochorus discitergus* (Say)**

*Cryptus discitergus* Say, Boston Jour. Nat. Hist., 1836, 1: 231; (Leconte Ed., 2: 689). ♀. [o.d., Ind. (type destroyed)]

*Mesochorus vitreus* Walsh, Trans. Ill. State Agr. Soc., 1861, 4: 364, 368. ♂, ♀.  
[o.d., fig., host *b*, Schuyler Co. and Rock Island Co., Ill. (U.S.N.M.)] New synonymy.

*Mesochorus vitreus* Riley, Ann. Rpt. Insects Mo., 1870, 2: 52. ♂, ♀. [des., fig., host *b*]

*Mesochorus vitreus* Cresson, Canad. Ent., 1872, 4: 23. ♂. [key, des.]

*Mesochorus americanus* Cresson, Canad. Ent., 1872, 4: 23. ♀. [key, o.d., Del. (A.N.S.P.), Ill., Pa.] New synonymy.

*Mesochorus obliquus* Cresson, Canad. Ent., 1872, 4: 24. ♀. [key, o.d., Pa. (A.N.S.P.)] New synonymy.

*Mesochorus scitulus* Cresson, Canad. Ent., 1872, 4: 24. ♂, ♀. [key, o.d., host ?*l*, Pa. (A.N.S.P.)] New synonymy.

*Mesochorus vitreus* Riley, Ann. Rpt. Secr. Mass. Bd. Agr., 1878, 25: 251. [des., host *b*]

*Mesochorus vitreus* Riley, Rpt. U. S. Dept. Agr. Ent. Comm., 1883, 3: 127.  
[host *p*]

*Mesochorus scitulus* Howard, in Scudder: Butterflies of Eastern U. S. and Canada, 1889, 3: 1882. [key, host *e*, Mo.]

*Mesochorus americanus* Riley and Howard, Insect life, 1890, 3: 155. [host *l*, D.C.]

*Mesochorus obliquus* Riley and Howard, Insect Life, 1890, 3: 156. [host *c*, D.C., Md.]

*Mesochorus scitulus* Riley and Howard, Insect Life, 1890, 3: 156. [host *b*, Ill., Ind.]

*Mesochorus aprilius* Riley and Howard, Insect Life, 1890, 3: 156. [host *f*, D.C.] Nomen nudum.

- Mesochorus pulchellus* Cook and Davis, Bull. Mich. Agr. Exp. Sta., 1891, 73: 10. ♀. [o.d., fig., host *k*, (Agricultural College, Mich.) (Mich. State College)] New synonymy.
- Mesochorus scitulus* Beach, Bull. Ia. Agr. Col., Dept. Ent., 1892, 4: 16. [Ia.]
- Mesochorus americanus* Slosson, Ent. News, 1895, 6: 317. [N.H.]
- Mesochorus aprilinus* Ashmead, Trans. Amer. Ent. Soc., 1896, 23: 195. ♀. [o.d., host *f*, Conn., D.C., Ill., Mass., N.J., N.Y. (U.S.N.M.)] New synonymy.
- Mesochorus vitreus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Slosson, Ent. News, 1897, 8: 237. [N.H.]
- Mesochorus aprilinus* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *f i*, N.H.]
- Mesochorus frontalis* Ashmead, Fur Seals and Fur-seal Islands, 1899, 4: 336. ♂. [o.d., Bering Is., Alaska (U.S.N.M.)] New synonymy.
- Mesochorus scitulus* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [host *d*, N.J.]
- Mesochorus frontalis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 239. [key, Alaska]
- Mesochorus americanus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus aprilinus* Nason, Ent. News, 1905, 16: 168. [Ill.]
- Mesochorus americanus* Quaintance and Brues, Bull. U. S. Dept. Agr., Bur. Ent., 1905, 50: 122. [host *n*]
- Mesochorus nigrisignus* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♀. [o.d., host ?*o*, Grand River, Ia. (U.S.N.M.)] New synonymy.
- Mesochorus infernalis* Viereck, Proc. U. S. Nat. Mus., 1911, 40: 192. ♂. [o.d., host *g*, Santa Maria, Tex. (U.S.N.M.)] New synonymy.
- Mesochorus nigrisignis* Webster, Jour. Econ. Ent., 1912, 5: 336. [host *o*, Ia.]
- Mesochorus vitreus* Gibson, Ann. Rpt. Ent. Soc. Ont., 1915, 45: 86. [host *j*, Ont.]
- Mesochorus aprilinus* Webster, Bull. Ia. State Col. Agr. Exp. Sta., 1915, 155: 388. [host *f*, Ia.]
- Mesochorus scitulus* Strauss, Bull. U. S. Dept. Agr., 1916, 419: 9. [host *a*]
- Mesochorus aprilinus* Howard and Chittenden, Farmer's Bull. U. S. Dept. Agr., 1916, 705: 5. [host *m*]
- Mesochorus scitulus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus aprilinus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *f*]
- Mesochorus vitreus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, host *b*]
- Mesochorus obliquus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]
- Mesochorus americanus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key, Del., Ill., Pa.]

*Mesochorus discitergus* Cushman and Gahan, Proc. Ent. Soc. Wash., 1921, 23: 160. [syn.]

*Mesochorus vitreus* Muesebeck and Dohanian, Bull. U. S. Dept. Agr., 1927, 1487: 18. [biol., host *h*]

*Mesochorus aprilinus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

*Mesochorus obliquus* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

*Mesochorus vitreus* Proper, Jour. Agr. Res., 1934, 48: 362. [host *h*]

PYRAUSTIDAE: a, *Desmia funeralis*. PHALAEINIDAE: b, *Cirphis unipuncta*. ARCTIIDAE: c, *Euchaetias egle*. SPHINGIDAE: d, *Smerinthus jamaicensis*. PIERIDAE: e, secondary on *Colias notatus notatus*. BRACONIDAE: f, *Apanteles congregatus*; g, ?*Apanteles flaviconchae*; h, *Apanteles melanoscelus*; i, *Apanteles smerinthus*; j, ?*Apanteles* sp.; k, *Meteorus communis*; l, *Microgaster* sp.; m, *Microplitis ceratoniae*; n, *Microplitis croceipes*; o, *Microplitis melianae*; p, Microgasterinae.

### **Mesochorus diversicolor** Viereck

*Mesochorus diversicolor* Viereck, Proc. U. S. Nat. Mus., 1912, 42: 149. ♂, ♀. [o.d., Duncan, B.C. (U.S.N.M.)]

### **Mesochorus electilis** Cresson

*Mesochorus electilis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀. [o.d., Bosque Co., Tex. (A.N.S.P.)]

*Mesochorus electilis* Sanderson, Bull. U. S. Dept. Agr., Div. Ent., 1906, 56: 13. [host *a*, Tex.]

PYRAUSTIDAE: a, *Loxostege similis*.

### **Mesochorus flaviceps** Provancher

*Mesochorus flaviceps* Provancher, Nat. Canad., 1879, 11: 210; (Faune, p. 382). ♀. [key, o.d., Que. (M.P.Q.)]

*Mesochorus flaviceps* Provancher, Nat. Canad., 1883, 14: 3; (Faune, p. 791). [key]

### **Mesochorus hamatus** new name

*Mesochorus basalis* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., Mass. (A.N.S.P.)] Preoccupied by Curtis, 1833.

*Mesochorus basalis* Johnson, Biol. Surv. Mt. Desert Region, 1927, 1: 132. [Me.]

*Mesochorus basalis* Walley, Ann. Rpt. Ent. Soc. Ont., 1931, 61: 93. [B.C.]

*Mesochorus basalis* Schedl, Canad. Ent., 1932, 64: 2. [host *a*, B.C.]

GEOMETRIDAE: a, *Lambdina fiscellaria fiscellaria*.

### **Mesochorus iridescens** Cresson

*Mesochorus iridescens* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 369. ♀. [o.d., Calif. (A.N.S.P.)]

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**Mesochorus jucundus** Provancher

*Mesochorus jucundus* Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, o.d., Que. (M.P.Q.)]

*Mesochorus rufulus* Townes, Lloydia, 1938, 1: 222. [syn.] In part.

*Mesochorus jucundus* Brimley, Suppl. Insects of N.C., 1942, p. 32. [N.C.]

**Mesochorus kincaidi** Ashmead

*Mesochorus kincaidi* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 238. ♀.

[key, o.d., Kukak Bay, Alaska (U.S.N.M.)]

**Mesochorus luteipes** Cresson

*Mesochorus luteipes* Cresson, Canad. Ent., 1872, 4: 22. ♀. [key, o.d., N.J. (A.N.S.P.)]

*Mesochorus luteipes* Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 792).

♀. [key, des., Que.]

*Mesochorus luteipes* Riley and Howard, Insect Life, 1890, 3: 156. [host *a*, N.H.]

*Mesochorus luteipes* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

*Mesochorus luteipes* Nason, Ent. News, 1905, 16: 168. [Ill.]

*Mesochorus luteipes* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

*Mesochorus luteipes* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 960. [N.Y.]

NOTODONTIDAE: *a*, "*Notodonta*" sp. on *Populus tremuloides*.

**Mesochorus melleus** Cresson

*Mesochorus melleus* Cresson, Canad. Ent., 1872, 4: 24. ♂. [key, o.d., Pa. (A.N.S.P.)]

*Mesochorus melleus* Orcutt and Aldrich, Bull. S.D. Agr. Exp. Sta., 1892, 30: 7. [host *a*, S.D.]

*Mesochorus melleus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 280. [key]

CIMBICIDAE: *a*, *Cimbex americana*.

**Mesochorus noctivagus** Viereck

*Mesochorus noctivagus* Viereck, Trans. Kans. Acad. Sci., 1905, 19: 303. ♀. [o.d., Lawrence, Kans. (Univ. Kans)]

**Mesochorus ottawensis** (Harrington) new combination

*Ischyrocnemis ottawensis* Harrington, Canad. Ent., 1892, 24: 98. ♀. [o.d., Ottawa, Ont. (C.N.C.)]

*Rhorus ottawaensis* Davis, Trans. Amer. Ent. Soc., 1897, 24: 249. ♀. [key, des., Ont.]



**Mesochorus perniciosus** Viereck

*Mesochorus perniciosus* Viereck, Proc. U. S. Nat. Mus., 1911, 39: 407. ♀.  
[o.d., host *a*, Rocky Ford, Colo. (U.S.N.M.)]

BRACONIDAE: *a*, ?*Apanteles laeviceps*.

**Mesochorus pieridicolus** (Packard)

*Campoplex pieridicola* Packard, Proc. Boston Soc. Nat. Hist., 1881, 21: 20.  
♂ (not ♀). [o.d., host *a*, no locality given (M.C.Z.)]

*Mesochorus pieridicolus* Howard, in Scudder: Butterflies of Eastern U. S. and  
Canada, 1889, 3: 1882. [key]

*Mesochorus pieridicola* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22:  
280. [key, host *b*]

PIERIDAE: *a*, *Pieris rapae*. BRACONIDAE: *b*, ?*Apanteles congregatus*.

**Mesochorus tachinae** Ashmead

*Mesochorus tachinae* Dimmock, Proc. Ent. Soc. Wash., 1898, 4: 153. [host *a*,  
N.H.]

*Mesochorus tachinae* Ashmead, Proc. Ent. Soc. Wash., 1898, 4: 168. ♀. [o.d.,  
host *a*, Canobie Lake, N.H. (U.S.N.M.)]

TACHINIDAE: *a*, tachinid.

**Mesochorus thomsonii** Dalla Torre

*Mesochorus nigriceps* Thomson, Ann. Soc. Ent. France, 1885, (6), 5: 334. ♂,  
♀. [o.d., northern and central Europe (?Lund Mus.)] Preoccupied by  
Brischke, 1880.

*Mesochorus* sp. Lundbeck, Meddel. om Grønland, 1895, 19: 110. [Greenland]

*Mesochorus gibbulus*? Lundbeck, Vidensk. Medd. Nat. For. København (1896),  
1897, p. 240. [Greenland] Misdetermined.

*Mesochorus thomsonii* Dalla Torre, Cat. Hymen., 1901, 3: 59. [new name for  
*Mesochorus nigriceps* Thomson]

*Mesochorus gibbulus* Nielsen, Meddel. om Grønland, 1907, 29: 388. [Green-  
land] Misdetermined.

*Mesochorus nigripes* Roman, Archiv för Zoologi, 1916, 10, no. 22: 3. [syn.,  
des., Lundbeck determination queried] Misdetermined.

*Mesochorus nigripes* Hendriksen and Lundbeck, Meddel. om Grønland, 1918,  
22: 542. [syn., Europe, Greenland] Misdetermined.

*Mesochorus nigriceps* Roman, Skrifter om Svalbard og Ishavet, 1933, 53: 9.  
[syn., des., Greenland]

*Mesochorus nigriceps* Poulton, Ann. Mag. Nat. Hist., 1934, (10), 14: 52.  
[Labrador]

**Mesochorus uniformis** Cresson

*Mesochorus uniformis* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 171. ♀.  
[o.d., Bosque Co., Tex. (U.S.N.M.)]

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- Paniscus rufulus* Provancher, Nat. Canad., 1876, 8: 328. ♀. [o.d., Que. (M.P.Q.)]  
*Mesochorus rufulus* Provancher, Nat. Canad., 1879, 11: 209; (Faune, p. 381).  
 [key, des.]  
*Mesochorus rufulus* Provancher, Nat. Canad., 1883, 14: 4; (Faune, p. 791).  
 [key]  
 ? *Mesochorus areolatus* Provancher, Nat. Canad., 1883, 14: 5; (Faune, p. 793).  
 ♀. [key, o.d., Que. (M.P.Q.)]  
*Astiphromma uniformis* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.:  
 583. [Pa.]  
*Mesochorus uniformis* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387.  
 [Kans.]  
*Astiphromma uniformis* Cushman, Proc. U. S. Nat. Mus., 1924, 64, art. 20: 43.  
 [syn.] In part.  
*Astiphromma uniformis* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928,  
 101: 959. [N.Y.]  
*Mesochorus uniformis* Criddle, Ann. Rpt. Ent. Soc. Ont., 1928, 58: 102. [Alta.]  
*Mesochorus rufulus* Townes, Lloydia, 1938, 1: 222. [syn.] In part.

#### GENERA OF UNCERTAIN SUBFAMILY

##### BRACHYCYRTUS Kriechbaumer

- Brachycyrtus* Kriechbaumer, Corres. Zool. Mineral Ver. Regensburg, 1880, 34:  
 161.  
 Genotype: *Brachycyrtus ornatus* Kriechbaumer.  
*Proterocryptus* Ashmead, Proc. U. S. Nat. Mus., 1906, 30: 174.  
 Genotype: *Proterocryptus nawaii* Ashmead.  
*Vakau* Cheesman, Ann. Mag. Nat. Hist., 1928, (10), 1: 189. New synonymy.  
 Genotype: *Vakau taitensis* Cheesman.  
*Brachycyrtomorpha* Kreibohm de la Vega, Rev. Industrial y Agricola de Tucuman,  
 1940, 3: 170. New synonymy.  
 Genotype: *Brachycyrtomorpha crossi* Kreibohm de la Vega.

##### *Brachycyrtus chrysopae* Walley

- Brachycyrtus chrysopae* Walley, Canad. Ent., 1940, 72: 86. ♀. [o.d., host *a*,  
 near Bayne's Lake, B.C. (C.N.C.)]  
 CHRYSOPIDAE: *a*, chrysopid.

##### *Brachycyrtus pretiosus* Cushman

- Brachycyrtus pretiosus* Cushman, Proc. U. S. Nat. Mus., 1936, 84: 19. ♂, ♀.  
 [key, o.d., fig., Hillsboro Co., Fla. (U.S.N.M.)]

**NEORHACODES** Hedicke

*Rhacodes* Ruschka, Arch. Naturg., 1922, 88, A, 5: 138. Preoccupied by Koch, 1856.

Genotype: *Rhacodes enslini* Ruschka.

*Neorhacodes* Hedicke, Deut. Ent. Ztschr., 1922, p. 427. [new name for *Rhacodes* Ruschke]

**Neorhacodes brevicauda** Cushman

*Neorhacodes brevicauda* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.  
[key, o.d., Littlefield, Ariz. (U.S.N.M.)]

**Neorhacodes longicauda** Cushman

*Neorhacodes longicauda* Cushman, Proc. U. S. Nat. Mus., 1940, 88: 526. ♀.  
[key, o.d., fig., Four-mile Hill, 8 miles south of Steamboat Springs, Colo. (U.S.N.M.)]

**ORTHOPELMA** Taschenberg

*Orthopelma* Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

*Proëdrus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 147.

Genotype: (*Hemiteles luteolator* Gravenhorst) = *mediator* Thunberg.

**Orthopelma californicum** Ashmead

*Orthopelma californicum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.  
[key, o.d., host *a*, Alameda, Calif. (U.S.N.M.)]

CYNIPIDAE: *a*, gall on *Rosa* sp.

**Orthopelma coloradense** Ashmead

*Orthopelma coloradense* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♀.  
[key, o.d., West Cliff, Custer Co., Colo. (U.S.N.M.)]

**Orthopelma diastrophii** Ashmead

*Orthopelma diastrophii* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 418. ♂, ♀.  
[key, o.d., host *a*, Mo., ?and Westbury, Conn. (U.S.N.M.)]

*Orthopelma diastrophii* Brodie, Insect Life, 1895, 5: 343. [host *b*, Ont.]

*Praedruss* (!) *diastrophii* Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 583. [N.J.]

*Orthopelma diastrophii* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 275. ♂, ♀. [des., Conn.]

CYNIPIDAE: *a*, *Diastrophus radicum*; *b*, *Diplolepis radicum*.

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**Orthopelma erythroga** Ashmead

*Orthopelma erythroga* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♂.

[key, o.d., Va. (U.S.N.M.)]

*Orthopelma erythropus* Dalla Torre, Cat. Hymen., 1901, 3: 49. [syn.]

**Orthopelma mediator** (Thunberg)

*Ichneumon Mediator* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 269.

[o.d., (?Sweden) (Upsala Mus.)]

*Hemiteles luteolator* Gravenhorst, Ichneum. Europeae, 1829, 2: 826. ♂, ♀.

[o.d., several localities in Germany (? Breslau Mus.)]

*Orthopelma luteolator* Taschenberg, Ztschr. Gesammt. Naturw., 1865, 25: 137.

[des., host]

*Orthopelma minutum* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 416. ♀.

[key, o.d., host *e*, Jamaica Plains, N.Y. (U.S.N.M.)] New synonymy.

*Orthopelma rosaecola* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂, ♀.

[key, o.d., host *b*, ?Colo. (U.S.N.M.)] New synonymy.

*Orthopelma minutum* Riley and Howard, Insect Life, 1890, 3: 154. [host *d*, Mass.]

*Orthopelma rosaecola* Riley and Howard, Insect Life, 1890, 3: 154. [host *b*, Ut.]

*Orthopelma luteolator* Brodie, Insect Life, 1893, 5: 343. [host *a c*, Ont.]

?*Orthopelma thompsoni* Brues, Bull. Wis. Nat. Hist. Soc., 1907, 5: 157. ♂, ♀.

[o.d., host *c*, Worcester, Mass. (Milwaukee Public Mus.)] New synonymy.

*Orthopelma mediator* Roman, Zool. Bidrag Från Uppsala, 1912, 1: 267. [syn.]

*Orthopelma luteolator* Rohwer, Proc. U. S. Nat. Mus., 1915, 49: 226. ♀.

[des., host *c*, Mass.]

*Orthopelma luteolata* (!) Champlain, Psyche, 1922, 29: 96. [host *f*, Pa.]

*Orthopelma mediator* Viereck, Ann. Rpt. Ent. Soc. Ont., 1926, 56: 104. [host *c*, Que.]

*Orthopelma luteolator* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 958. [N.Y.]

*Orthopelma luteator* (!) Peck, Canad. Jour. Res., 1937, D, 15: 247. [fig. ♂ genitalia]

CYNIPIDAE: *a*, *Diastrophus turgidus*; *b*, *Diplolepis ignota*; *c*, *Diplolepis rosae*; *d*, *Diplolepis rosaefolii*; *e*, *Diplolepis* sp.; *f*, cynipid gall on *Rosa* sp.

**Orthopelma occidentale** Ashmead

*Orthopelma occidentale* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 417. ♂.

[key, o.d., host *a*, Hams Fork, Green River, Wyoming Territory (U.S.N.M.)]

*Orthopelma occidentalis* Riley and Howard, Insect Life, 1890, 3: 154. [host *a*, Ida.]

*Orthopelma occidentale* Beach, Bull. Ia. Agr. Col. Dept. Ent., 1892, 4: 15. [Ia.]

*Orthopelma occidentale* Harrington, Canad. Ent., 1897, 29: 44. [B.C.]

CYNIPIDAE: *a*, *Diplolepis similis*.

**Orthopelma ovale** (Provancher)

*Hemiteles ovalis* Provancher, Nat. Canad., 1874, 6: 332. ♂, ♀. [key, o.d., Que. (M.P.Q.)]

*Hemiteles ovalis* Provancher, Nat. Canad., 1879, 11: 122; (Faune, p. 325).

♂, ♀. [key, des.]

*Hemiteles ovalis* Provancher, Nat. Canad., 1882, 13: 359; (Faune, p. 781).

[key]

*Orthopelma ovalis* Davis, Proc. Acad. Nat. Sci. Phila., 1894, p. 188. [syn.]

*Orthopelma ovale* Dalle Torre, Cat. Hymen., 1901, 3: 50. [syn.]

**PHRUDUS** Foerster

Subgenus **Phrudus** Foerster

*Phrudus* Foerster, Verh. Naturh. Ver. Preuss. Rheinlande, 1868, 25: 196.

Genotype: *Phrudus monilicornis* Bridgman.

*Ktenostilpnus* Strobl, Mitt. Ver. Stiermark, 1901, 37: 256.

Genotype: (*Ktenostilpnus aequarticulatus* Strobl) = ?*monilicornis* Bridgman.

*Vendolius* Roman, Arkiv för Zoologi, 1914, 9, no. 2: 35.

Genotype: (*Vendolius stilpninus* Roman) = *monilicornis* Bridgman.

**Phrudus (Phrudus) dakota** Cushman

*Phrudus dakota* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 17. ♀.

[o.d., fig., Spearfish, S.D. (U.S.N.M.)]

Subgenus **Mengersenia** Schmiedeknecht

*Orona* Cameron, Invertebrata Pacifica, 1905, 1: 131. Preoccupied by Haekel, 1887

Genotype: *Orona petiolaris* Cameron.

*Mengersenia* Schmiedeknecht, Hymen. Mitteleurop., 1907, p. 606. New synonymy.

Genotype: *Mengersenia paradoxa* Schmiedeknecht.

*Hambergiella* Roman, Naturw. Unters. Sarekgebirges, 1909, 4: 359.

Genotype: *Hambergiella sinuata* Roman.

**Phrudus (Mengersenia) exarealatus** Cushman, new combination

*Phrudus exarealatus* Cushman, Proc. U. S. Nat. Mus., 1927, 72, art. 13: 19. ♀.

[o.d., Cranberry Lake, N.Y. (U.S.N.M.)]

**Phrudus (Mengersenia) petiolaris** (Cameron) new combination

*Orona petiolaris* Cameron, Invertebrata Pacifica, 1903, 1: 131. ♀. [o.d., near Stanford Univ., Calif. (British Mus.)]

*Orona petiolaris* Morley, Ann. Mag. Nat. Hist., 1914, (8), 14: 408. [des.]

## ALPHABETICAL LIST OF UNPLACED SPECIES

The generic positions of the following species are uncertain. Except for the species of *Eristicus* (ascribed to the New Zealand fauna) no authentic specimens have been seen and it has not been possible to identify the species or to reach a conclusion about a generic placement from the descriptions.

**Anomalon canadense** Provancher

*Anomalon Canadense* Provancher, Nat. Canad., 1874, 6: 174. ♂, ♀. [key, o.d., Que. (type lost)]

*Anomalon prismaticum* var. *Canadense* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

**Anomalon nigrutum** Norton

*Anomalon nigrutum* Norton, Proc. Ent. Soc. Phila., 1863, 1: 363. ♂. [o.d., Mass. (type lost)]

*Anomalon nigrutum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 80. ♂. [key, des., Ont.]

*Anomalon nigrutum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, des., Mexico]

**Anomalon rufum** Provancher

*Anomalon rufum* Provancher, Nat. Canad., 1874, 6: 174. ♀. [key, o.d., Que. (type lost)]

*Anomalon prismaticum* var. *rufum* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 358). [des.]

**Anomalon vivum** Cresson

*Anomalon vivum* Cresson, Proc. Acad. Nat. Sci. Phila., 1878, p. 368. ♀. [o.d., Ore. (type lost)]

**Asymmictus nigrofrons** Davis

*Asymmictus nigrofrons* Davis, Trans. Amer. Ent. Soc., 1898, 24: 325. ♀. [o.d., Agricultural College, Mich. (type lost)]

**Atractodes provancheri** Dalla Torre

*Atractodes singularis* Provancher, Nat. Canad., 1876, 8: 328. ♂. [o.d., Que. (type lost)] Preoccupied by Foerster, 1876.

*Atractodes provancheri* Dalla Torre, Cat. Hymen., 1902, 3: 723. [new name for *Atractodes singularis* Provancher]

**Atractodes rufipes** Provancher

*Atractodes rufipes* Provancher, Nat. Canad., 1874, 6: 151. ♂, ♀. [key, o.d., Que. (type lost)]

**Banchus fulvus** (Fabricius) \*

*Ichneumon fulvus* Fabricius, System. Ent., 1775, p. 341. [o.d., "America"  
(location of type unknown)]

*Banchus fulvus* Fabricius, System. Piez., 1804, p. 129. [syn.]

*Ichneumon fulvator* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 260.  
[new name for *Ichneumon fulvus* Fabricius]

*Ichneumon? fulvus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.  
[Mass.]

*Ichneumon (Trogus) fulvus?* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2,  
1835, p. 585. [syn.]

**Campoplex arcticus** Curtis

*Campoplex? Arcticus* Curtis, in Ross: Appendix to the Narrative of a Second  
Voyage in Search of a North-West Passage . . . 1829-33, 1835, p. LXII.  
[o.d. (Arctic America) (location of type unknown)]

*Campoplex? arcticus* Walley, Sci. Agr., 1940, 20: 734. ["unrecognizable"]

**Cratichneumon davisii** Bradley

*Cratichneumon davisii* Bradley, Ztschr. Hymen. Dipt., 1904, 4: 107. ♀. [o.d.,  
Colo. (type lost)]

**Cremastus piceus** Cresson

*Cremastus piceus* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 176. ♀. [o.d.,  
Bosque Co., Tex. (type lost)]

*Cremastus piceus* Provancher, Addit. Faune Canada Hymén., 1888, p. 363. ♀.  
[des., Que.]

*Cremastus piceus* Cushman, Proc. U. S. Nat. Mus., 1917, 53: 551. ["unrecog-  
nizable"]

**Cryptus cinctipes** Walsh

*Cryptus cinctipes* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♂, ♀.  
[o.d., (?Ill.) (type destroyed)]

**Cryptus rhomboidalis** Walsh

*Cryptus rhomboidalis* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 74. ♀.  
[o.d., (?Ill.) (type destroyed)]

**Cryptus rufifrons** Walsh

*Cryptus rufifrons* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 75. ♀. [o.d.,  
(?Ill.) (type destroyed)]

\* Occurrence in the Nearctic Region needs confirmation

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**Cryptus semirufus** Brullé

*Cryptus semi-rufus* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 195. ♀.  
[o.d., N. Amer. (Paris Mus.)]

**Eriborus triannulatus** Cameron

*Eriborus? triannulatus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 245. ♂.  
[o.d., Santa Clara Co., Calif. (?British Mus.)]  
*eriborus? triannulatus* Johnson and Ledig, Jour. Ent. Zool., 1918, 10: 23. [Calif.]

**Erigorgus lateralis** (Brullé)

*Anomalon laterale* Brullé, Hist. Nat. Insectes Hymén., 1846, 4: 175. ♀.  
[o.d., N. Amer. (Paris Mus.)]  
*Anomalon laterale* Norton, Proc. Ent. Soc. Phila., 1863, 1: 361. [des., N.Y.]  
*Anomalon laterale* Provancher, Addit. Faune Canada, Hymén., 1886, p. 81.  
♀. [key, des., Que.]  
*Anomalon laterale* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 85. [key]  
*Erigorgus lateralis* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284.  
[key]  
*Paranomalon lateralis* Johnson, Biol. Surv. Mt. Desert. Region, 1927, 1: 133.  
[Me.]  
*Paranomalon lateralis* Johnson, Pub. Nantucket Maria Mitchell Ass., 1930, 2,  
no. 3: 104. [Mass.]

**Eristicus apicalis** Ashmead \*

*Eristicus apicalis* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♂. [key,  
o.d., "Wis." (U.S.N.M.)]  
*Eristicus basilaris* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key,  
o.d., "Wis." (U.S.N.M.)] New synonymy.

**Eristicus binotatus** Ashmead †

*Eristicus binotatus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♂. [key,  
o.d., "Wis." (U.S.N.M.)]

\* This and the following four species of "*Eristicus*" were described by Ashmead from "Wisconsin." A few years later (Trans. Linn. Soc. N. S. Wales, 1900, p. 348), he transferred three of the species to *Probolus*, at the same time stating that their correct type locality appeared to be New Zealand rather than Wisconsin. This species and the next two are represented in the U. S. National Museum by specimens from New Zealand collected by A. Koebele, probably from the same lot as the types. Very likely *E. erythrogaster* and *E. minutus* are also members of the New Zealand fauna. No attempt has been made to place these species in their proper genera.

† See note under *Eristicus apicalis*.



**Eristicus cinctus** Ashmead \*

*Eristicus cinctus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 389. ♀. [key, o.d., "Wis." (U.S.N.M.)]

**Eristicus erythrogaster** Ashmead \*

*Eristicus erythrogaster* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

**Eristicus minutus** Ashmead \*

*Eristicus minutus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 388. ♀. [key, o.d., "Wis." (U.S.N.M.)]

**Exolytus concamerus** Davis

*Exolytus concamerus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 356. ♀. [o.d., Mt. Washington, N.H. (type lost)]

*Exolytus concamerus* Slosson, Ent. News, 1898, 9: 253. [N.H.]

**Habronyx flavistigma** Davis

*Habronyx? flavistigma* Davis, Trans. Amer. Ent. Soc., 1898, 24: 362. ♂. [o.d., N.Y. (type lost)]

**Hemiteles cincticornis** Ashmead

*Hemiteles cincticornis* Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 21. ♀. [o.d., host *a*, Cusack Ranch, Colo. (type lost)]

BRACONIDAE: *a*, *Apanteles laeviceps*.

**Hemiteles clipeator** Lundbeck

*Hemiteles clipeator* Lundbeck, Vidensk. Medd. Nat. For. København, (1896), 1897, p. 228. ♂. [o.d., Sydstugten, kun en Han, Greenland (Copenhagen Mus.)]

**Hemiteles gastricus** Holmgren

*Hemiteles gastricus* Holmgren, Eugenes Resa, 1868, insects, p. 401. ♀. [o.d., Calif. (?Stockholm Mus.)]

**Hemiteles texanus** Ashmead

*Hemiteles texanus* Ashmead, Proc. U. S. Nat. Mus., 1890, 12: 404. ♀. [key, o.d., Tex. (type lost)]

\* See note under *Eristicus apicalis*.

**Ichneumon assimulator** Swederus

*Ichneumon assimulator* Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.  
[o.d., N. Amer. (type lost?)]

**Ichneumon astutus** Holmgren

*Ichneumon astutus* Holmgren, Eugenes Resa, 1868, insects, p. 394. ♂. [o.d.,  
Calif. (?Stockholm Mus.)]

*Ichneumon astutus* Cresson, Trans. Amer. Ent. Soc., 1897, 6: 208. ♂. [des.]

*Barichneumon astutus* Roman, Ent. Tidskr., 1910, 31: 148 [des.]

**Ichneumon banchiformis** Megerle

*Ichneumon Banchiformis* Megerle, Appendix ad Catalogum Insectorum, Quae  
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,  
1802, p. 16.\* [o.d., Ga. (type lost)]

**Ichneumon georgicus** Megerle

*Ichneumon Georgicus* Megerle, Appendix ad Catalogum Insectorum, Quae  
Mense Novembris 1802 Vienne Austriae Auctionis Lege Vendita Fuere,  
1802, p. 16.† [o.d., Ga. (type lost)]

**Ichneumon lugubator** Gravenhorst ‡

*Ichneumon lugubator* Gravenhorst, Vergl. Übers, zool. Syst., 1807, p. 256.  
[o.d., no locality given (? Breslau Mus.)]

*Ichneumon lugubator* Gravenhorst, Ichneum. Europeae, 1829, 1: 541. [des.,  
"locality unknown"]

*Ichneumon lugubator* Kriechbaumer, Stettin Ent. Ztg., 1875, 36: 41. [des.,  
Pa.]

**Ichneumon nigrosignatus** Viereck

*Ichneumon (Barichneumon) nigrosignatus* Viereck, Trans. Kans. Acad. Sci.,  
1905, 19: 297. ♂. [o.d., Oak Creek Canyon, Ariz. (Univ. Kans., type  
not seen)]

**Ichneumon obsoletus** Riley, new combination

*Ichneumon brevipennis* var. *obsoletus* Riley, Ann. Rpt. Insects Mo., 1877, 9: 55.  
(♀). [o.d., host *a*, (St. Louis, Mo.) (type lost)]

*Ichneumon brevipennis* var. *obsoletus* Cresson, Trans. Amer. Ent. Soc., 1877, 6:  
182. [des.]

\* Copy of original description: "*Ichneumon Banchiformis* M. ex Georg. Stat. Banch.  
Atr. flav. vari. ant. annul. Thor. 2 spinos."

† Copy of original description: "*Ichneumon Georgicus* M. ex Georg. Stat. et magn.  
persuas. ruf. Ant. Lut. Thor. Flav. Abd. segm. 1. 2. et fem. annulo. nig."

‡ Occurrence in the Nearctic Region needs confirmation.

*Ichneumon brevipennis* Riley and Howard, Insect Life, 1890, 3: 152. [host *a*, Colo., Mo.] Misdetermined.

PHALAEINIDAE: *a*, *Protoleucania albilinea*.

***Ichneumon paradoxus* Provancher**

*Ichneumon paradoxus* Provancher, Nat. Canad., 1882, 13: 306, 325; (Faune, p. 764). ♀. [key, o.d., Que. (type lost)]

***Ichneumon quadripunctatus* Provancher**

*Ichneumon quadri-punctatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 33. ♂. [o.d., Ottawa, Ont. (type lost)]

***Jethsura ferruginea* Cameron**

*Jethsura ferruginea* Cameron, Trans. Amer. Ent. Soc., 1902, 28: 374. ♀. [o.d., N.M. (?British Mus.)]

***Labrorychus relictus* (Fabricius)**

*Ophion relictus* Fabricius, Ent. System., 1798, Suppl., p. 236. [o.d., North America (location of type unknown)]

*Ophion relictus* Olivier, Encycl. Méthod. Insect., 1811, 8: 511. [des.]

*Ichneumon relictus* Thunberg, Mém. Acad. Sci. St. Pétersbourg, 1822, 8: 262. [syn.]

*Ophion relictus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]

*Anomalon relictus* Norton, Proc. Ent. Soc. Phila., 1863, 1: 360. ♂, ♀. [des., Mass., N.Y.]

*Anomalon relictum* Provancher, Nat. Canad., 1874, 6: 174. ♂. [key, des., Que.]

*Anomalon relictum* Provancher, Nat. Canad., 1879, 11: 143; (Faune, p. 357). [key, des., fig., Que.]

*Anomalon relictum* Provancher, Addit. Faune Canada, Hymén., 1886, p. 79. [key]

*Anomalon relictus* Webster, Insect Life, 1890, 3: 174. [host *b*]

*Anomalon relictum* Slosson, Ent. News, 1900, 11: 320. [N.H.]

*Anomalon relictum* Morley, Rev. Ichneum. Brit. Mus., 1913, 2: 86. [key, Ga.]

*Erigorgus relictus* Viereck, Bull. Conn. Geol. Nat. Hist. Surv., 1917, 22: 284. [key]

*Paranomalon relictum* Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 954. [N.Y.]

*Labrorychus relictus* Schaffner and Griswold, Misc. Pub. U. S. Dept. Agr., 1934, 188: 146. [biol., host *a b*, Me., N.J., N.Y., Pa.]

NOTODONTIDAE: *a*, *Datana integerrima*; *b*, *Datana ministra*.

**Lampronota breviventris** Walsh

*Lampronota breviventris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 120. ♀.  
[o.d., (Ill.?) (type destroyed)]

**Lampronota pictiventris** Walsh

*Lampronota pictiventris* Walsh, Trans. Acad. Sci. St. Louis, 1873, 3: 119. ♂.  
[o.d., (Ill.?) (type destroyed)]

**Limnerium hospitum** (Holmgren)

*Limneria hospita* Holmgren, Eugenies Resa, 1868, Insects, p. 416. ♂. [o.d.,  
Calif. (?Stockholm Mus.)]  
*Limnerium hospitum* Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

**Limnerium illepidum** (Cresson)

*Limneria illepada* Cresson, Trans. Amer. Ent. Soc., 1872, 4: 172. ♂. [o.d.,  
Bosque Co., Tex. (type lost)]  
*Limnerium illepidum* Dalla Torre, Cat. Hymen., 1901, 3: 97. [syn.]

**Melanichneumon ferrugator** (Swederus)

*Ichneumon ferrugator* Swederus, Svensk. Vet.-Akad. Handl., 1787, 8: 280.  
♂?, ♀. [o.d., North America (British Mus.)]  
*Ichneumon (Ichneumon) ferrugator* Harris, Rpt. Geol. Min. Bot. Zool. Mass.,  
Ed. 2, 1835. p. 585. [Mass.]  
*Melanichneumon ferrugator* Morley, Entomologist, 1909, 42: 133. [des.]

**Meniscus quadricinctus** Ashmead

*Meniscus 4-cinctus* Ashmead, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 50.  
♂. [o.d., host *a*, Catawba Is., Ohio (type lost)]  
*Meniscus 4-cinctus* Webster, Jour. Cincinnati Soc. Nat. Hist., 1894, 17: 37.  
[host *a*, Ohio]  
Miscellaneous: *a*, pupa in folds of leaf of *Prunus persicus*.

**Mesoleptus fasciatus** Provancher

*Mesoleptus fasciatus* Taylor, Canad. Ent., 1884, 16: 91. [B.C.] Nomen  
nudum.  
*Mesoleptus fasciatus* Provancher, Canad. Ent., 1885, 17: 116. ♂. [o.d.,  
Vancouver Is., B.C. (type lost)]  
*Mesoleptus fasciatus* Taylor, Canad. Ent., 1885, 17: 250. [B.C.]  
*Mesoleptus fasciatus* Harrington, Canad. Ent., 1897, 29: 45. [Vanc. Is., "♀  
descr. from coll. Taylor"]  
*Mesoleptus fasciatus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

**Mesostenus rufotinctus** Provancher

*Mesostenus rufotinctus* Provancher, Nat. Canad., 1874, 6: 301. ♂. [key, o.d., Que. (type lost)]

*Mesostenus rufotinctus* Provancher, Nat. Canad., 1875, 7: 268. [key]

**Microcryptus alaskensis** Ashmead

*Microcryptus alaskensis* Ashmead, Proc. Wash. Acad. Sci., 1902, 4: 184. ♂. [key, o.d., Sitka, Alaska (type lost)]

**Opheltoideus johnsoni** Ashmead

*Opheltoideus johnsoni* Ashmead, Proc. U. S. Nat. Mus., 1900, 23: 95. [o.d. in key, no locality given, but probably from the vicinity of Philadelphia, Pa. (type lost)]

*Parabates johnsoni* Szépligeti, Genera Insectorum, 1911, 114: 76. [syn.]

*Paniscus (Parabates) johnsoni* Bradley, Ann. Mag. Nat. Hist., 1919, 3: 324. [syn.]

*Opheltoideus johnsoni* Cushman, Proc. U. S. Nat. Mus., 1942, 92: 289. [syn.]

**Opisorhyssa flavopicta** Kriechbaumer \*

*Opisorhyssa flavopicta* Kriechbaumer, Ann. Naturh. Hofmus. Wien, 1890, 5: 488. ♀. [o.d., "Amer. Sept.?" ("Vindobonensi Mus.")]

**Phygadeuon excavatus** Provancher

*Phygadeuon excavatus* Provancher, Nat. Canad., 1874, 6: 285. ♀. [key, o.d., Que. (type lost)]

**Phygadeuon plectiscinus** Roman

*Phygadeuon plectiscinus* Roman, Archiv für Zoologi, 1916, 10, no. 22: 5. ♂, ♀. [o.d., Eidi, Greenland (?Stockholm Mus.)]

**Phygadeuon truncatus** Provancher

*Phygadeuon truncatus* Provancher, Addit. Faune Canada, Hymén., 1886, p. 53. ♀. [key, o.d., Ottawa, Ont. (type lost)]

**Pseudamblyteles peroratus** Cameron

*Pseudamblyteles peroratus* Cameron, Trans. Amer. Ent. Soc., 1908, 34: 242. ♂. [o.d., Ormsby Co., Nev. (?British Mus.)]

**Trogus atrocoeruleus** Cresson

*Trogus atrocoeruleus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 92. ♀. [o.d., La. (?Yale Univ.)]

*Trogus atrocoeruleus* Cresson, Trans. Amer. Ent. Soc., 1877, 6: 196. [key, des.]

\* Occurrence in Nearctic America needs confirmation.

- Amblyteles atrocoeruleus* Bridwell, Trans. Kans. Acad. Sci., 1899, 16: 204. [Kans.]  
*Trogus atrocoeruleus* Morley, Rev. Ichneum. Brit. Mus., 1915, 4: 82. [key, Mexico]  
*Trogus atrocoeruleus* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 388. [Kans.]  
*Trogus? atrocoeruleus* Hopper, Trans. Amer. Ent. Soc., 1939, 65: 343. [syn.]

**Tryphon obscurus** Cresson

- Stilpnus obscurus* Cresson, Proc. Ent. Soc. Phila., 1865, 4: 259. ♂. [o.d., Colo. (type lost)]  
*Tryphon obscurus* Cresson, Trans. Amer. Ent. Soc., 1868, 2: 90. [syn.]  
*Tryphon obscurus* Davis, Trans. Amer. Ent. Soc., 1898, 24: 332. [key]

ALPHABETICAL LIST OF NOMINA NUDA

The following is a list of nomina nuda and of names so misspelled that they can not be recognized. Nomina nuda that can be recognized as such from their places of publication and those which have been referred to described species in the body of the catalogue are not listed below.

- Acrolyta smerinithi* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 569 [host (*Smerinthus geminatus*)]. Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 631, states that this is a MS name.  
*Acrolyta smerinithi* "Ashm." Cushman, Mem. Cornell Univ. Agr. Exp. Sta., 1928, 101: 929. [N.Y.]  
*Anomalon Cecropiae* Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]  
*Campoplegidea* (*Viereckiana*) *triangularis* Viereck, Trans. Roy. Soc. Canada, 1926, 20, sect 5: 178. Walley, Sci. Agr., 1940, 20: 734, states that this is a nomen nudum.  
*Campoplex paniscus* Osborn, Bull. Ia. Agr. Exp. Sta., 1892, 18: 515. [biol., host (*Plutella cruciferarum*), Ia.]  
*Centeterus suturalis* "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Chloridea rhexiae?*)]  
*Cremastus fumipennis* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 584. [Pa.]  
*Cryptus annulipes*, *Cryptus attractus*, *Cryptus bucephalus*, *Cryptus calceatus*, *Cryptus cardinalis*, *Cryptus clyta*, *Cryptus crescentus*, *Cryptus ectypus*, *Cryptus facetus*, *Cryptus facilis*, *Cryptus isochromus*, *Cryptus laxus*, *Cryptus leucotelus*, *Cryptus mellipes*, *Cryptus palmapectus*, *Cryptus pleuriticus*, *Cryptus polyspeirus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]  
*Cryptus propitius* "Cr." Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]

- Cryptus recurvulus*, *Cryptus spinulosus*, *Cryptus subspinosus*, *Cryptus tenellulus*, *Cryptus velox*, *Cryptus versicolor* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 584. [Mass.]
- Eiphosoma femorata* "Cress." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 580. [N.J.]
- Exochoides borealis* "Cress." Evans, Canad. Ent., 1896, 28: 11. [Ont.]
- Hemiteles mesochori* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 386. [Kans.]
- Hemiteles orgyiae* "Riley" Ashmead, Bull. Colo. Biol. Ass., 1890, 1: 43. [Colo.]
- Hemiteles scolyti* "Ashm." Harrington, Canad. Ent., 1897, 29: 44. [B.C.]
- Hemiteles thyridopterigis* var. *leucozonatus* "Ashm." Riley and Howard, Insect Life, 1890, 3: 152. [host (*Thyridopteryx ephemeræformis*), Mo.]
- Ichneumon* (*Ichneumon*) *ales* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon alternator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *anxifer* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon araneorum* Clarkson, Canad. Ent., 1890, 22: 122. [biol., host (*Argiope riparia*), parasite (chalcid), N.Y.]
- Ichneumon* (*Trogus*) *atratus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon* (*Ichneumon*) *baculus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon basiator* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *biarquatus* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Ichneumon cingor* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587. [Mass.]
- Ichneumon* (*Ichneumon*) *dimelapsus*, *Ichneumon* (*Ichneumon*) *metathoracicus*, *Ichneumon* (*Ichneumon*) *orbitalis*, *Ichneumon* (*Ichneumon*) *petiolatus*, *Ichneumon* (*Ichneumon*) *plantaris*, *Ichneumon* (*Ichneumon*) *platicerus*, *Ichneumon* (*Ichneumon*) *spatiosus*, *Ichneumon* (*Ichneumon*) *stolophorus*, *Ichneumon* (*Ichneumon*) *trichocerus*, *Ichneumon* (*Ichneumon*) *vau* Harris, Rpt. Geol. Min. Bot. Zool. Mass., Ed. 2, 1835, p. 585. [Mass.]
- Lampronota succincta* "Cr." Riley and Howard, Insect Life, 1891, 3: 464. [host (oak gall), Mo.]
- Limneria oligiae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 158. [host (*Oligia versicolor*), D.C.]
- Limneria oligiae* Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Megarhyssa magnifica* "Vier." Viereck, Ann. Rpt. N.J. Mus. for 1909, 1910, p. 627. [N.J.]. Viereck, Proc. Ent. Soc. Wash., 1911, 13: 96, states that this is a nomen nudum.

- Mesochorus ? chrysopae* "Ashm." Riley and Howard, Insect Life, 1890, 3: 156.  
[host (*Chrysopa* sp.)]
- Mesochorus ? chrysopae* "Ashm." Howard, Proc. Ent. Soc. Wash., 1891, 2: 124.  
[host (secondary on *Chrysopa* sp.)]
- Nepiera albomaculata* "Ashm." Crevecoeur, Trans. Kans. Acad. Sci., 1922, 30: 387. [Kans.]
- Notosemus montanus* "Ashm." Berthoumieu, Genera Insectorum, 1904, 18: 68.  
[Colo.]
- Ophion imbecilis* "S." Harris, Rpt. Geol. Min. Bot. Zool. Mass., 1833, p. 587.  
[Mass.]
- Polysphincta phycitis* "Riley" Riley and Howard, Insect Life, 1891, 3: 464.  
[host (*Phycita* (*Acrobasis*) *nebulo*), Ind.]
- Rhythmonotus bilineatus* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Scambus monta* "Cress." Washburn, Ann. Rpt. State Ent. Minn., 1918, 17: 172. [Minn.]
- Sinophorus johnsoni* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Spilocryptus lividicarpus* "Cress." Procter, Biol. Surv. Mt. Desert Region, 1938, 6: 402. [Me.]
- Spudastica rufipes* "Ashm." Ashmead, Ann. Rpt. N.J. Bd. Agr., 1900, 27, suppl.: 581. [N.J.]
- Thyreodon costale* "Cress." Viereck, Bull. N.Y. State Mus., 1928, 274: 185.  
[Colo.]

#### SYSTEMATIC LIST OF HOSTS OF NEARCTIC ICHNEUMONIDAE

The following is a list of all host records arranged under the host. References to the authorities for these records may be found through the host lists under the various parasite species in the body of the catalogue.

#### ORTHOPTERA

##### ACRIDIDAE

**Melanoplus mexicanus** phase **spretis** (Thomas): ? *Lissonota brunnea*.

#### THYSANOPTERA

Thrips on *Triticum aestivum*: *Gelis thripites*.

#### HOMOPTERA

##### COCCIDAE

**Pulvinaria bigeloviae** Cockerell: *Cremastus flaviceps*.



## NEUROPTERA

## HEMEROBIIDAE

**Hemerobius** sp.: *Octacustes crassus crassus*.

## CHRYSOPIDAE

**Chrysopa harrisii** Fitch: *Gelis tenellus*, *Octacustes crassus crassus*.

**Chrysopa lateralis** Guérin: *Octacustes bicolor*.

**Chrysopa nigricornis** Burmeister: *Gelis tenellus*, *Octacustes crassus crassus*.

**Chrysopa oculata** Say: *Octacustes crassus chrysopae*.

**Chrysopa plorabunda** Fitch: *Octacustes crassus crassus*, *Octacustes crassus patruelis*.

**Chrysopa rufilabris** Burmeister: *Gelis tenellus*, *Octacustes crassus crassus*.

**Chrysopa** sp.: *Octacustes crassus chrysopae*, *Octacustes crassus crassus*, *Octacustes crassus patruelis*.

Chrysopid: *Brachycyrtus chrysopae*.

## COLEOPTERA

## GYRINIDAE

**Gyrinus** sp.: *Bathythrix gyrini*, *Bathythrix pimplae*, *Eriplanus cushmani*,  
*Hemiteles cheboyganensis*, *Hemiteles hungerfordi*.

## CLERIDAE

**Enoclerus quadriguttatus** (Olivier): *Zaleptopygus cleridivorus*.

## OEDEMERIDAE

**Calopus angustus** Leconte: ? *Clistopyga atrata*.

## MORDELLIDAE

**Tomoxia bidentata** (Say): *Arotes decorus*.

**Mordellistena aemula** Leconte: *Zaleptopygus mordellistena*.

**Mordellistena morula** Leconte: *Zaleptopygus mordellistena*.

**Mordellistena** sp.: *Zaleptopygus mordellistena*.

## ELATERIDAE

**Alaus oculatus** (Linnaeus): *Xorides californicus*.

## BUPRESTIDAE

**Thrincopyge alacris** Leconte: *Labena grallator*.

**Chalcophora angulicollis** (Leconte): *Xorides californicus*.

**Dicerca divaricata** (Say): *Cubocephalus rectus*, *Deuteroxorides vittifrons*, *Odontocolon vicinum*.

- Dicerca lurida** (Fabricius): ? *Arotes decorus*, *Xorides albopictus*.  
**Buprestis laeviventris** (Leconte): *Xorides californicus*.  
**Melanophila fulvoguttata** (Harris): *Xorides insularis*.  
**Chrysobothris deserta** Horn: *Cryptohelcostizus ornatus*.  
**Chrysobothris femorata** (Olivier): *Labena grillator*, *Xorides calidus*.  
**Chrysobothris mali** Horn: *Cryptohelcostizus mali*.  
**Chrysobothris** sp.: *Ichneumon irritator*.  
**Chrysobothris** sp. in *Malus pumila*: *Cryptohelcostizus chrysobothridis*.  
**Agrilus angelicus** Horn: *Cryptohelcostizus alamedensis*, *Xylophrurus fasciatus*.  
**Agrilus arcuatus** (Say): *Labena grillator*.  
**Agrilus champlaini** Frost: ? *Xylophrurus agrili*, ? *Xylophrurus luctuosus*.  
**Agrilus vittaticollis** Randall: *Xylophrurus agrili*.  
**Agrilus** sp.: *Labena grillator*, *Xorides albopictus*.  
 Buprestid: *Aplomerus buprestivorus*, *Deuteroxorides borealis*, *Xorides insularis*.

## MELANDRYIDAE

- Dircaea quadrimaculata** (Say): *Xorides calidus*.  
**Serropalpus** sp.: *Rhyssa lineolata*, *Rhyssa persuasoria*.

## ANOBIIDAE

- Anobiid: *Odontocolon polymorphum*.

## SCARABAEIDAE

- Phyllophaga fusca** (Froelich): *Ophion bifoveolatus*.  
**Phyllophaga** sp.: *Ophion bifoveolatus*.

## CERAMBYCIDAE

## (PRIONINAE)

- Parandra brunnea** (Fabricius): *Odontocolon mellipes*.

## (CERAMBYCINAE)

- Tetropium cinnamopterum** Kirby: *Xorides insularis*.  
**Tetropium velutinum** Leconte: *Deuteroxorides borealis*, *Xorides insularis*.  
**Tetropium** sp.: *Odontocolon canadense*.  
**Chion cinctus** (Drury): *Labena grillator*.  
**Romaleum atomarium** (Drury): *Xorides rileyi*.  
**Elaphidion** sp.: *Zaleptopygus champlaini*.  
**Pseudibidion unicolor** (Randall): *Agonocryptus discoidaloides*, *Labena grillator*.  
**Curius dentatus** Newman: *Xorides calidus*.  
**Obrium rufulum** Gahan: *Ichneumon irritator*.  
**Strangalepta vittata** (Olivier): *Arotes vicinus*.  
**Leptura oblitterata** Haldeman: *Odontocolon punctatum*.  
 "Leptura" sp.: ? *Coleocentrus flavipes*, *Poemenia vancouveriensis*.  
**Anoplodera chrysocoma** (Kirby): ? *Xorides cincticornis*.

- Anoplodera nitens** Forester: *Xorides rileyi*.  
**Anoplodera proxima** (Say): *Xorides stigma~~p~~terus stigma~~p~~terus*.  
**Bellamira scalaris** (Say): *Arotes formosus*.  
**Strangalina bicolor** (Swederus): *Arotes occipitalis*.  
**Strangalina luteicornis** (Fabricius): *Odontocolon strangaliae* var. *strangaliae*.  
**Semanotus ligneus** (Fabricius): *Deuteroxorides borealis*, *Xorides insularis*.  
**Hemicallidium amethystinum** (Leconte): *Xorides insularis*.  
**Callidium sequoiarum** Fisher: *Amydraulax pulchra*.  
**Phymatodes aereus** (Newman): *Xorides rileyi*.  
**Phymatodes dimidiatus** (Kirby): ?*Odontocolon strangaliae* var. *albotibiale*,  
*Rhyssa lineolata*.  
**Phymatodes varius** (Fabricius): *Xorides humeralis*.  
**Cyllene caryae** Gahan: *Ichneumon irritator*.  
**Cyllene robiniae** (Forester): *Ichneumon irritator*.  
**Xylotrechus colonus** (Fabricius): *Arotes decorus*, *Xorides rileyi*.  
**Neoclytus acuminatus** (Fabricius): *Xorides albopictus*.  
**Neoclytus caprea** (Say): *Xorides neoclyti*.  
**Stenosphenus notatus** (Olivier): *Labena grallator*.  
**Atimia dorsalis** Leconte: *Deuteroxorides borealis*, *Xorides insularis*.  
**Paratimia conicola** Fisher: *Poemenia americana*.

## (LAMIINAE)

- Monochamus notatus** (Drury): *Rhyssa persuasoria*.  
**Monochamus scutellatus** (Say): *Rhyssa lineolata*, *Rhyssa persuasoria*.  
**Monochamus titillator** (Fabricius): *Rhyssa lineolata*, *Rhyssa persuasoria*.  
**Dorcaschema nigrum** (Say): *Zaleptopygus dorcaschemae*.  
**Astylopsis macula** (Say): *Xorides calidus*.  
**Leiopus variegatus** (Haldeman): *Ichneumon irritator*.  
**Graphisurus fasciatus** (De Geer): *Deuteroxorides vittifrons*, *Ichneumon irritator*.  
**Eupogonius vestitus** (Say): *Agonocryptus vestitus*.  
**Oncideres cingulatus** (Say): *Itopectis conquisitor*.  
**Saperda concolor** Leconte: *Coccygomimus pedalis*.  
**Saperda discoidea** Fabricius: *Deuteroxorides caryae*, *Xorides albopictus*.  
**Saperda obliqua** Say: *Xylophrurus luctuosus*.  
**Saperda puncticollis** Say: *Labena grallator*.  
**Saperda tridentata** Olivier: ?*Deuteroxorides caryae*, *Xorides albopictus*.  
**Saperda** sp.: *Coccygomimus pedalis*.  
**Oberea tripunctata** Swederus: *Zaleptopygus orbus*.  
Cerambycid in *Rhus* sp.: *Odontocolon strangaliae* var. *albotibiale*.  
Cerambycid: ?*Arotes amoenus*, *Ichneumon irritator*, *Labena grallator*, *Xorides insularis*.

## CHRYSOMELIDAE

- Anoplitis inaequalis** (Weber): *Scambus hispae*.  
**Anoplitis rosea** (Weber): ?*Scambus hispae*.

## CURCULIONIDAE

- Hypera nigrirostris** (Fabricius): *Bathyplectes exiguus*.  
**Hypera postica** (Gyllenhal): *Bathyplectes curculionis*, *Eriplanus micator*.  
**Hypera punctata** (Fabricius): *Bathyplectes exiguus*, *Biolybia tristis*.  
**Hypera rumicis** (Linnaeus): *Bathyplectes exiguus*.  
**Pissodes strobi** (Peck): *Calliephialtes comstockii*, *Calliephialtes nubilipennis*,  
*Cubocephalus nitidus*, *Hemiteles humeralis*, *Labena grallator*.  
**Pissodes** sp.: *Barycnemis simplicicornis*, *Calliephialtes nubilipennis*.  
**Anthonomus grandis thurberiae** Pierce: *Calliephialtes thurberiae*.  
**Lixus scrobicollis** Boheman: *Labena grallator*.  
**Mononychus vulpeculus** (Fabricius): *Delomerista novita*, *Iseropus coelebs*, *Scambus pterophori*.  
**Craponius inaequalis** (Say): *Stiboscopus brooksi*.  
**Conotrachelus anaglypticus** (Say): *Tersilochus conotracheli*.  
**Conotrachelus nenuphar** (Herbst): *Tersilochus conotracheli*.  
**Conotrachelus retentus** (Say): *Tersilochus conotracheli*.  
**Cryptorhynchus lapathi** (Linnaeus): *Ichneumon irritator*.  
**Sphenophorus pertinax** (Olivier): *Gambrus bituminosus*.  
Curculionid: *Calliephialtes comstockii*, *Labena grallator*.

## SCOLYTIDAE

- Phloeosinus** sp.: *Helcostizus rufiscutum*.

## TRICHOPTERA

## LIMNephilidae

- Limnephilus indivisus** Walker: *Eriplanus biannulatus*.

## LEPIDOPTERA

## (JUGATAE)

## HEPIALIDAE

- Sthenopsis thule** (Strecker): *Pterocormus devinctor*.

## ERIOCRANIIDAE

- Mnemonica auricyanea** (Walsingham): *Lathrolestes mnemonicae*.

## (FRENATAE)

## (Group MICROLEPIDOPTERA)

## PRODOXIDAE

- Prodoxus quinquepunctellus** (Chambers): ? *Calliephialtes notandus*.

## ADELIDAE

**Paraclemensia** sp.: *Alophosternum foliicola*.

## TINEIDAE

**Tinea** sp.: *Hypsicera mansuetor*.

**Tineola pellionella** (Linnaeus): *Hypsicera mansuetor*.

Tineid: *Alegina annulatus*, *Iseropus coelebs*, *Neliopisthus semirufus*, *Zaleptopygus californicus*.

Tineid in *Polyporus dryophilus*: *Campoplex tineavora*.

Tineid on *Betula lenta*: *Campoplex nigricinctus*.

Tineid on *Liriodendron tulipifera*: *Stenomacrus ulmicola*.

Tineid on *Malus pumila*: *Toxophoroides scitulus*.

Tineid on *Myrica* sp.: *Neliopisthus semirufus*.

## PSYCHIDAE

**Thyridopteryx ephemeraeformis** (Haworth): *Iseropus coelebs*, *Itopectis conquisitor*, *Phobetes thyridopteryx*, *Scambus hispae*.

**Eurukuttarus confederatus** (Grote): *Coccygomimus aequalis*, *Phobetes confederatae*.

**Hyaloscotes fragmentella** (Hy. Edwards): *Itopectis obesus*.

**Hyaloscotes** sp.: *Phobetes sheppardi*.

**Fumaria casta** (Pallas), *Coccygomimus aequalis*, *Itopectis conquisitor*.

**Solenobia walshella** Clemens: *Horogenes solenobiae*.

## LYONETHIDAE

**Lyonetia speculella** Clemens: *Horogenes lyonetiae*.

**Bedellia somnulentella** (Zeller): *Isdromas lycaenae*.

**Bucculatrix canadensisella** Chambers: *Gelis obscurus*, *Gelis urbanus*.

**Bucculatrix** sp.: *Exochus pallipes*, *Gelis obscurus*, *Gelis pettitii*.

**Bucculatrix** sp. on *Quercus agrifolia*: *Gelis tenellus*.

**Bucculatrix** sp. on *Quercus* sp.: *Isdromas lycaenae*.

## GRACILARIIDAE

**Cameraria coryliella** (Chambers): *Alophosternum foliicola*.

**Cameraria ulmella** (Chambers): *Stenomacrus ulmicola*.

**Gracilaria alnivorella** Chambers: *Itopectis quadricingulatus*.

**Gracilaria packardella** Chambers: *Isdromas lycaenae*.

**Gracilaria stigmatella** (Fabricius): *Haplaspis mandibularis*.

"**Lithocolletis**" sp. on *Grindelia robusta*: *Scambus lithocolletidis*.

## COLEOPHORIDAE

**Coleophora cinerella** Chambers: *Iseropus coelebs*, ?*Scambus hispae*.

**Coleophora malivorella** Riley: *Gelis tenellus*, *Hyposoter annulipes*, *Isdromas lycaenae*, *Itopectis conquisitor*, *Scambus hispae*.

- Coleophora occidentis** Zeller: *Horogenes antennaellae*, *Horogenes obliteratus*.  
**Coleophora pruniella** Clemens: *Amblyteles subrufus*, *Gelis tenellus*, *Itopectis conquisitor*, *Pseudamblyteles comes*, *Pterocormus funestus*, *Scambus hispae*.  
**Coleophora salmani** Heinrich: *Agrothereutes major*, *Coccygomimus aequalis*, *Coccygomimus aquilonius*, *Cremastus forbesi*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Itopectis conquisitor*, *Scambus hispae*.  
**Coleophora** sp.: *Alegina columbiana*.  
**Coleophora** sp. on *Aster eastoni*: *Cremastus protractus*.  
**Coleophora** sp. on *Polygonum* sp.: *Lymeon orbus*.  
**Coleophora** sp. on *Ribes* sp.: *Horogenes aestivalis*.  
**Coleophora** sp. on *Salix* sp.: *Gelis tenellus*.  
**Coleophora** sp. on wild cherry: *Scambus hispae*.

## YPONOMEUTIDAE

- Eucratia castella** Walsingham: *Itopectis quadricingulatus*.  
**Plutella armoraciae** Busck: *Horogenes plutellae*.  
**Plutella maculipennis** (Curtis): *Camptetis argentifrons*, *Camptetis tibiator*, *Diadromus plutellae*, *Horogenes insularis*, *Horogenes parvus*, *Horogenes plutellae*, *Phaeogenes vincibilis*.  
**Plutella omissa** Walsingham: ?*Horogenes insularis*, *Horogenes plutellae*.  
**Argyresthia libocedrella** Busck: *Campoplex argyresthiae*.  
**Argyresthia oreasella** Clemens: *Horogenes obliteratus*.  
**Xyrosaris celastrusella** (Kearfott): *Horogenes obliteratus*.

## AEGERIIDAE

- Alcathoe caudata** (Harris): *Coccygomimus tenuicornis*.  
**Sanninoidea exitiosa** (Say): *Cryptus albitarsis*, *Idechthis nigricoxalis*, *Phaeogenes ater*.  
**Sanninoidea opalescens** (Hy. Edwards): *Cryptus tejonensis*.  
**Sanninoidea pictipes** (Grote & Robinson): *Coccygomimus aequalis*.  
**Conopia pyri** (Harris): *Coccygomimus aequalis*, *Lampronota sesiavora*, *Phaeogenes ater*.  
**Conopia scitula** (Harris): *Itopectis conquisitor*, *Phaeogenes ater*.  
**Conopia tipuliformis** (Linnaeus): *Lampronota scutellaris*, *Phaeogenes ater*.  
**Podosesia syringae** (Harris): *Cratichneumon unifasciatus*, *Phaeogenes ater*.  
**Paranthrene perlucida** (Busck): ?*Xorides californicus*.  
**"Sesia"** sp.: *Phaeogenes ater*.

## GLYPHIPTERYGIDAE

- Anthophila pariana** (Clemens): *Horogenes obliteratus*, *Itopectis conquisitor*, *Scambus hispae*, *Triclistus fulvipes*, *Triclistus propinquus*.  
**Choreutis balsamorrhizella** Busck: *Camptetis websteri*.

## OECOPHORIDAE

**Agonopteryx pulvipenella** (Clemens): *Zaleptopygus mellipes*.

**Depressaria** sp.: *Itoplectis obesus*.

**Psilocorsis** sp.: *Atrometus clavipes*, *Itoplectis conquisitor*, *Neliopisthus semirufus*.

## GELECHIIDAE

**Isophrictis similiella** (Chambers): *Cremastus facilis*.

**Aristotelia pudibundella** (Zeller): *Cymodusopsis aristoteliae*.

**Aristotelia rubidella** (Clemens): ?*Horogenes obliteratus*.

**Chrysopora** sp.: *Sternocryptus bitinctus*.

**Recurvaria nanella** (Huebner): *Coccygomimus aequalis*.

**Recurvaria piceaella** Kearfott: *Campoplex rufipes*, *Neliopisthus piceae*, *Phaogenes epinotiae*, *Pimplopterus recurvariae*.

**Recurvaria robiniella** (Fitch): *Asphragis mirabilis*.

**Recurvaria thujaella** Kearfott: *Scambus hispae*.

**Exoteleia pinifoliella** (Chambers): *Alegina pinifoliae*.

**Chionodes violaceofusca** (Zeller): *Horogenes discoocellellae*.

**Filatima persicaeella** (Murtfeldt): *Cremastus forbesi*, *Horogenes discoocellellae*, *Scambus hispae*.

**Filatima pseudoacaciella** (Chambers): *Hyposoter annulipes*, *Lampronota scutellaris*.

**Frumenta nundinella** (Zeller): *Zaleptopygus retiniae*.

**Aroga trialbamaculella** (Chambers): *Cremastus forbesi*, *Horogenes comptoniellae*.

**Fascista cercerisella** (Chambers): *Idechthis gelechia*.

**Gnorimoschema axenopsis** (Meyrick): *Cremastus minor*.

**Gnorimoschema baccharisella** Busck: *Calliephialtes notandus*.

**Gnorimoschema gallaeasteriella** (Kellicott): *Calliephialtes notandus*, *Coccygomimus aequalis*, *Gambrus tunicularubra*, *Scambus pterophori*.

**Gnorimoschema gallaesolidaginis** (Riley): *Calliephialtes notandus*, *Campoplex depressus*, *Campoplex dimidiatus*, *Dicaelotus gelechia*, *Glypta caulicola*, *Ichneumon pygmaeus*, *Iseropus coelebs*, *Mastrus cressoni*, *Scambus pterophori*, *Zaleptopygus gallaecola*.

**Gnorimoschema operculella** (Zeller): *Campoplex phthorimaeae*, *Coccygomimus aequalis*, *Horogenes compressus*, *Itoplectis conquisitor*, *Nepiera fuscifemora*, *Scambus hispae*.

**Keiferia glochinella** (Zeller): *Campoplex phthorimaeae*, *Horogenes compressus*, *Scambus hispae*.

**Keiferia lycopersicella** (Busck): *Horogenes compressus*.

**Anacamptis fragariella** Busck: *Exochus pleuralis*.

**Anarsia lineatella** (Zeller): *Coccygomimus sanguineipes*, *Itoplectis obesus*, *Mastrus aciculatus*.

**Dichomeris bipunctella** (Walsingham): *Toxophoroides albomarginatus*.

**Dichomeris ligulella** (Huebner): *Horogenes obliteratus*, *Scambus hispae*.

**Dichomeris marginella** (Fabricius): *Coccygomimus aequalis*, *Itoplectis conquisitor*.

**Trichotaphe juncidella** Clemens: *Glypta monita*, *Glypta vulgaris*.

**Trichotaphe levisella** Fyles: *Mastrus smithii*, *Pimplopterus marginatus*.

**"Gelechia"** sp.: *Cremastus minor*, *Glypta vulgaris*, *Idechthis gelechia*, *Pristomerus melleus*.

**"Gelechia"** sp. on *Salix* sp.: *Horogenes oblitteratus*.

**"Gelechia"** sp. on tuber of *Solanum tuberosum*: *Gelis gelechia*.

#### EPERMENIIDAE

**Epermenia cicutaella** Kearfott: *Itopectis conquistator*.

#### COSMOPTERYGIDAE

**Stagmatophora ceanothiella** Cosens: *Scambus pterophori*.

#### MOMPHIDAE

**Homaledra sabalella** (Chambers): *Lyneon orbus*.

**Cyphophora eloisella** (Clemens): *Cremastus epagoges*, *Iseropus coelebs*, *Scambus pterophori*.

**Walshia amorphella** Clemens: *Calliephialtes notandus*, *Calliephialtes nucicola*, *Phaeogenes walshiae*.

#### COSSIDAE

**Prionoxystus** sp. in *Castanea dentata*: *Lampronota prionoxysti*.

#### TORTRICIDAE

**Homona fervidana** Walker: *Exochus albifrons*, *Exochus annulicrus*, *Exochus pallipes*, *Itopectis conquistator*, *Triclistus fulvipes*.

**Amorbia humerosana** Clemens: *Glypta phoxopterididis*.

**Sparganothis pettitana** (Robinson): *Itopectis conquistator*.

**Sparganothis sulfureana** (Clemens): *Cremastus epagoges*, *Cremastus tortricidis*, *Horogenes compressus*.

**Platynota flavedana** Clemens: *Cremastus platynotae*.

**Platynota rostrana** (Walker): ? *Polysphincta albipes*.

**Platynota stultana** (Walsingham): *Horogenes compressus*.

**Archips argyrospila** (Walker): *Coccygomimus pedalis*, *Glypta simplicipes*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Phaeogenes cacoeciae*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.

**Archips cerasivorana** (Fitch): *Cremastus epagoges*, *Exochus albifrons*, *Exochus pallipes*, *Itopectis conquistator*, *Labrorychus prismaticus*, *Triclistus fulvipes*, *Triclistus pygmaeus*.

**Archips conflictana** (Walker): *Campoplegidea seamansi*.

**Archips fervidana** (Clemens): *Exochus pallipes*.

**Archips fumiferana** (Clemens): *Coccygomimus sanguineipes*, *Ephialtes ontario*, *Glypta fumiferanae*, *Iseropus coelebs*, *Itopectis conquistator*, *Itopectis obesus*, *Itopectis quadricingulatus*, *Phaeogenes hariolus*, *Phytodietus fumiferanae*, *Scambus atrocoxalis*, *Scambus hispae*, *Theronia atalantae*.



- Archips rosaceana** (Harris): *Glypta simplicipes*, *Horogenes eureka*, *Itoplectis conquisitor*.
- Archips rosana** (Linnaeus): *Horogenes cacoeciae*, *Horogenes rosanae*, *Hyposoter basizona*, *Itoplectis atrocoxalis*.
- Archips semiferana** (Walker): *Iseropus coelebs*.
- Amelia clemensiana** (Fernald): *Glypta rufofasciata*.
- Amelia pallorana** Robinson: *Horogenes compressus*.
- Argyrotaenia lutosana** (Clemens): *Eclytus pleuralis*, *Exochus pallipes*, *Phytodietus vulgaris*.
- Argyrotaenia mariana** (Fernald): *Coccygomimus pedalis*, *Coccygomimus tenuicornis*, *Ephialtes ontario*, *Itoplectis conquisitor*, *Itoplectis quadricingulatus*, *Phytodietus vulgaris*.
- Argyrotaenia pinatubana** (Kearfott): *Eclytus pleuralis*, *Itoplectis conquisitor*, *Phytodietus pleuralis*, *Phytodietus vulgaris*, *Scambus alboricta*, *Scambus hispae*.
- Argyrotaenia quercifolia** (Fitch): *Coccygomimus aequalis*, *Itoplectis conquisitor*.
- Argyrotaenia velutinana** (Walker): *Cremastus forbesi*, *Glypta vulgaris*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Lampronota pleuralis*, *Phygadeuon exiguus*, *Phytodietus vulgaris*, *Scambus hispae*, *Triclistus fulvipes*.
- Cnephasia longana** (Haworth): *Horogenes eureka*, *Phytodietus burgessi*.
- Argyrotoxa albicomana** (Clemens): *Itoplectis conquisitor*.
- Argyrotoxa semipurpurana** (Kearfott): *Glypta rufiscutellaris*, *Itoplectis conquisitor*.
- Peronea fragariana** Kearfott: *Horogenes comptoniellae*.
- Peronea hastiana** (Linnaeus): *Itoplectis conquisitor*.
- Peronea logiana** (Linnaeus): *Phytodietus burgessi*.
- Peronea minuta** (Robinson): *Campoplex validus*, *Cremastus forbesi*, *Glypta simplicipes*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea minuta cinderella** (Riley): *Glypta simplicipes*.
- Peronea oxycoccana** (Packard): *Coccygomimus aequalis*.
- Peronea variana** (Fernald): *Atrometus clavipes*, *Ephialtes ontario*, *Exochus annulicrus*, *Gelis tenellus*, *Horogenes obliteratus*, *Itoplectis conquisitor*, *Itoplectis obesus*, *Itoplectis quadricingulatus*, *Phaeogenes gaspesianus*, *Phaeogenes hariolus*, *Phytodietus vulgaris*, *Scambus hispae*.
- Peronea** sp.: *Iseropus coelebs*, *Phaeogenes arcticus*.
- Peronea** sp. on *Carpinus caroliniana*: *Itoplectis conquisitor*.
- Peronea** sp. on *Castanea dentata*: *Erigorgus acclerivorus*.
- Amelia pallorana** Robinson or **Sparganothis sulfureana** Clemens: *Phytodietus burgessi*.
- "**Tortrix**" leaf folder on *Ribes* sp.: *Glypta simplicipes*.
- "**Tortrix**" sp. on *Quercus* sp.: *Campoplex rufipes*.
- "**Tortrix**" sp. on wild pea: *Ephialtes ontario*.

- Tortricid: *Alegina annulatus*, *Asphragis mirabilis*, ? *Campoplex furus*, ? *Charopsimorpha tibialis*, *Ephialtes picticornis*, *Glypta caulicola*, *Itopectis conquisitor*.  
 Tortricid leaf gall on *Solidago graminifolia*: *Hysicera femoralis*.  
 Tortricid leaf roller on *Solidago* sp.: *Lissonota rufipes*.  
 Tortricid on fruit of *Gossypium hirsutum*: *Scambus hispae*.  
 Tortricid on *Myrica asplenifolia*: *Asphragis mirabilis*, *Scambus hispae*.  
 Tortricid on *Populus* sp.: *Syzeuctus elegans*.  
 Tortricid on *Quercus* sp.: *Aoplus leucopsis*, *Itopectis conquisitor*, *Toxophoroides xanthozonatus*.

## OLETHREUTIDAE

- Episimus argutanus** (Clemens): *Cremastus forbesi*, *Scambus alboricta*.  
**Polychrosis carduana** Busck: *Campoplex polychrosidis*.  
**Polychrosis liriodendrana** Kearfott: *Phytodietus burgessi*.  
**Polychrosis viteana** (Clemens): *Agrothereutes iridescens*, *Campoplex nolae*, *Campoplex tortricidis*, *Gambrus ultimus*, *Glypta animosa*, *Glypta mutica*, *Glypta vulgaris*, *Horogenes compressus*, *Horogenes oblitteratus*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Mastrus polychrosidis*, *Scambus hispae*, *Triclistus fulvipes*.  
**Zomaria interruptolineana** (Fernald): *Glypta vulgaris*.  
**Exartema cornanum** Heinrich: *Campoplex hyalinus*, *Itopectis conquisitor*.  
**Exartema feriferanum** (Walker): *Itopectis conquisitor*.  
**Exartema exaeresinum** Heinrich: *Triclistus fulvipes*.  
**Exartema footianum** (Fernald): *Glypta rubripes*, *Glypta simplicipes*.  
**Exartema inornatanum** Clemens: *Glypta simplicipes*.  
**Exartema permundanum** Clemens: *Campoplex hyalinus*.  
**Exartema punctanum** Walsingham: *Glypta vulgaris*.  
**Exartema sericoranum** Walsingham: *Phytodietus burgessi*.  
**Exartema viburnanum** McDunnough: *Glypta exartemae*.  
**Exartema** sp.: *Glypta exartemae*.  
**Rhyacionia buoliana** (Schiffermüller): *Calliephialtes comstockii*, *Cremastus decoratus*, *Cremastus interruptor*, *Itopectis conquisitor*, *Itopectis evetriae*, *Itopectis obesus*, *Scambus hispae*.  
**Rhyacionia frustrana** (Comstock): *Calliephialtes comstockii*, *Campoplex frustranae*, *Cremastus epagoges*, *Glypta varipes*, *Itopectis conquisitor*, *Scambus hispae*.  
**Rhyacionia frustrana bushnelli** (Busck): *Cremastus epagoges*, *Cremastus evetriae*, *Itopectis conquisitor*, *Pristomerus baumhoferi*, *Scambus aplopappi*, *Scambus evetrivorus*.  
**Rhyacionia pasadenana** (Kearfott): *Scambus aplopappi*.  
**Rhyacionia rigidana** (Fernald): *Zaleptopygus retiniae*.  
**Rhyacionia** sp. in *Pinus ponderosa*: *Atrometus evetrivorus*.  
**Petrova comstockiana** (Fernald): *Calliephialtes comstockii*, *Zaleptopygus retiniae*.

- Barbara colfaxiana siskiyouana** (Kearfott): *Exochus evetriae*, *Itopectis evetriae*, *Scambus ephialtoides*.
- Barbara colfaxiana taxifoliella** (Busck): *Calliephialtes comstockii*, ? *Campoplex conocola*, *Exochus evetriae*, *Glypta evetriae*, *Itopectis evetriae*, *Pimplopterus evetriae*.
- Spilonota ocellana** (Dennis & Schiffermüller): *Itopectis conquisitor*, *Itopectis obesus*, *Phytodietus vulgaris*.
- Thiodia olivaceana** (Riley): *Delomerista novita*, *Iseropus coelebs*.
- Epiblema obfuscana** (Dyar): *Glypta rufiscutellaris*.
- Epiblema otiosana** (Clemens): *Pristomerus ocellatus*, *Scambus pterophori*.
- Epiblema scudderiana** (Clemens): *Centeterus euryptychia*, *Glypta caulicola*, *Glypta rufiscutellaris*, *Otacustes crassus crassus*, *Pristomerus euryptychia*, *Scambus pterophori*, *Tromatobia rufovariata*.
- Epiblema strenuana** (Walker): *Calliephialtes grapholithae*, *Calliephialtes notandus*, *Campoplex argenteus*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus minor*, *Glypta rufiscutellaris*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus pterophori*.
- Proteoteras aesculana** Riley: *Calliephialtes notandus*, *Glypta militaris*, *Glypta rufiscutellaris*, *Horogenes oblitteratus*, *Scambus pterophori*.
- Gretchena bolliana** (Slingerland): *Coccygomimus aequalis*, *Coccygomimus inflatus*.
- Rhobopota naevana** (Huebner): *Cremastus forbesi*, *Cremastus minor*.
- Epinotia arctostaphylana** (Kearfott): *Campoplex epinotiae*.
- Epinotia laracana** (Kearfott): *Glypta rufiscutellaris*.
- Epinotia nanana** (Treitschke): *Campoplex nanana*, *Campoplex rufipes*, *Phaeogenes epinotiae*.
- Anchylopera platanana** Clemens: *Phytodietus burgessi*.
- Anchylopera** sp.: *Gelis urbanus*, *Itopectis quadricingulatus*.
- Ancylis comptana** (Frölich): *Charops infesta*, *Cremastus cookii*, *Exochus pleuralis*, *Gambrus ultimus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Ischnus fraterculus*, *Itopectis conquisitor*, *Phaeogenes walshiae*, *Pristomerus ocellatus*, *Scambus alboricta*, *Scambus hispae*, *Scambus pterophori*.
- Ancylis comptana floridana** (Zeller): ? *Itopectis quadricingulatus*.
- Ancylis comptana fragariae** (Walsh & Riley): *Cremastus cookii*, *Exochus pleuralis*, *Phytodietus vulgaris*.
- Grapholitha interstinctana** (Clemens): *Glypta phoxopteridis*.
- Grapholitha molesta** Busck: *Atrometus clavipes*, *Calliephialtes benefactor*, *Calliephialtes grapholithae*, *Campoletis argentifrons*, *Campoletis patsuitetorum*, *Campoplex tortricidis*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Cremastus carpocapsae*, *Cremastus epagoges*, *Cremastus forbesi*, *Cremastus gracilipes*, *Cremastus grapholithae*, *Cremastus minor*, *Cremastus tortricidis*, *Cryptus albitalis*, *Cubocephalus alacris*, *Gambrus ultimus*, *Gelis tenellus*, *Glypta phoxopteridis*, *Glypta rufiscutellaris*, *Glypta varipes*, *Glypta vulgaris*, *Horogenes molestae*, *Horogenes oblitteratus*, *Horogenes rosanae*, *Idechthis nigricoxalis*, *Itopectis conquisitor*, *Lampronota sesiavora*, *Lymeon orbus*, *Mastrus*

*carpocapsae*, *Mastrus pilifrons*, *Mastrus smithii*, *Phaeogenes walshiae walshiae*, *Phobetes thyridopteryx*, *Pristomerus euryptychia*, *Pristomerus ocellatus*, *Scambus hispae*, *Scambus pterophori*, *Triclistus fulvipes*.

**Grapholitha molesta** (Busck) secondary: *Gelis tenellus*.

**Grapholitha packardii** Zeller: *Glypta rufiscutellaris*.

**Grapholitha prunivora** (Walsh): *Glypta rufiscutellaris*, *Glypta varipes*.

**Laspeyresia caryana** (Fitch): *Calliephialtes grapholithae*, *Glypta rufiscutellaris*, *Mastrus carpocapsae*, *Phaeogenes walshiae australis*.

**Laspeyresia youngana** (Kearfott): *Campoplex temporalis*.

**Laspeyresia "toreuta"** (Grote): *Campoplex laspeyresiae*.

**Laspeyresia** sp.: *Poemenia americana*.

**Melissopus latiferreanus** (Walsingham): *Calliephialtes nucicola*, *Glypta rufiscutellaris*, *Pimplopterus inconstans*.

**Carpocapsa pomonella** (Linnaeus): *Calliephialtes grapholithae*, *Calliephialtes nucicola*, *Coccygomimus aequalis*, *Coccygomimus inflatus*, *Coccygomimus sanguineipes*, *Cremastus carpocapsae*, *Cremastus epagoges*, ? *Exetastes septum*, *Glypta rufiscutellaris*, *Glypta varipes*, *Itopectis conquisitor*, *Itopectis quadringulatus*, *Mastrus carpocapsae*, *Mastrus pilifrons*, *Phytodietus burgessi*, *Pristomerus euryptychia*, *Scambus hispae*, *Scambus pterophori*.

**"Evetria"** sp.: *Itopectis evetriae*.

**"Paedisca"** sp.: *Atrometus paediscae*, *Glypta macra*.

#### PTEROPHORIDAE

**Pterophorus periscelidactylus** Fitch: ? *Cubocephalus pallidus*, *Itopectis conquisitor*, *Phaeogenes mellinus*.

**Platytilia carduidactyla** (Riley): *Campoplex polychrosidis*, *Colpognathus helvus*, *Horogenes acutus*, *Scambus pterophori*.

**Platytilia williamsii** Grinnell: *Scambus pterophori*.

**Oidaematophorus lacteodactylus** (Chambers): *Cremastus pterophori*.

**Oidaematophorus occidentalis** Walsingham: *Hyposoter occidentalis*.

**"Pterophorus"** sp. on stems of *Baccharis pilularis*: *Scambus pterophori*.

**"Pterophorus"** sp. on *Malus pumila*: *Horogenes pterophorae*.

#### PHYCITIDAE

**Acrobasis betulella** Hulst: *Itopectis conquisitor*, *Phaeogenes phycidis*, *Phytodietus burgessi*.

**Acrobasis caryalbella** Ely: *Itopectis conquisitor*.

**Acrobasis caryivorella** Ragonot: *Horogenes comptoniellae*, *Itopectis conquisitor*, *Pristomerus euryptychia*.

**Acrobasis comptoniella** Hulst: *Erigorgus acclerivorus*, *Horogenes comptoniellae*, *Itopectis conquisitor*.

**Acrobasis juglandis** (LeBaron): *Calliephialtes grapholithae*, *Coccygomimus aequalis*, *Ephialtes picticornis*, *Exochus apicalis*, *Iseropus coelebs*, *Itopectis conquisitor*, *Scambus hispae*.

- Acrobasis kearfottella** Dyar: *Eclytus pleuralis*, *Itoplectis conquisitor*.  
**Acrobasis rubrifasciella** Packard: *Anomalon exile*, *Cratichneumon quintilis*,  
*Delomerista novita*, *Horogenes comptoniellae*, *Itoplectis conquisitor*.  
**Acrobasis** sp.: *Calliephialtes grapholithae*, *Iseropus coelebs*, *Itoplectis conquisitor*,  
*Mesostenus thoracicus*, *Scambus hispae*.  
**Mineola indiginella** (Zeller): *Campoletis tibiator*, *Gelis tenellus*, *Hyposoter an-*  
*nulipes*, *Hyposoter fugitivus*, *Itoplectis conquisitor*, *Pimplopterus acrobasis*,  
*Scambus hispae*.  
**Mineola vaccinii** (Riley): *Pristomerus euryptychiae*.  
**Dioryctria abietella** (Dennis & Schiffermüller): *Campoplex milleri*.  
**Dioryctria cambiicola** (Dyar): *Itoplectis evetriae*.  
**Dioryctria xanthaenobares** Dyar: *Pimplopterus dakrumae*.  
**Dioryctria zimmermani** (Grote): *Calliephialtes comstockii*, *Itoplectis evetriae*.  
**Dioryctria** sp.: *Calliephialtes comstockii*.  
**Dioryctria** sp. in cones of *Pinus coulteri*: *Campoplex conocola*.  
**Monoptilota pergratialis** (Hulst): *Mesostenus thoracicus*.  
**Ambesa walsinghami** Ragonot: *Mesostenus thoracicus*.  
**Meroptera pravella** (Grote): *Exochus pictus*.  
**Elasmopalpus lignosellus** (Zeller): *Pristomerus melleus*.  
**Epischnia granitella** Ragonot: *Syzeuctus epischniae*, *Trichomma granitellae*.  
**Etiella zinckenella** (Treitschke): *Trichomma maceratum*.  
**Melitara** sp.: *Mesostenus thoracicus*.  
**Rumatha glaucatella** (Hulst): *Cremastus sinuatus*.  
**Cactobrosis strigalis** (Barnes & McDunnough): *Cremastus sinuatus*.  
**Ozamia fuscomaculella clarefacta** Dyar: *Mesostenus gracilis*.  
**Zophodia convolutella** (Huebner): *Coccygomimus sanguineipes*, *Mesostenus gra-*  
*cilis*.  
**Euzophera semifuneralis** (Walker): *Coccygomimus aequalis*, *Idechthis nigri-*  
*coxalis*, *Mesostenus gracilis*, *Mesostenus thoracicus*.  
**Laetilia coccidivora** (Comstock): *Mesostenus gracilis*, *Mesostenus thoracicus*,  
*?Pimplopterus dakrumae*.  
**Laetilia** sp.: *Pimplopterus dakrumae*.  
**Psorosina hammondi** (Riley): *Campoplex validus*, *Cryptus albitarsis*, *Toxopho-*  
*roides albomarginatus*.  
**Ephestia cautella** (Walker): *Idechthis canescens*.  
**Ephestia elutella** Huebner: *Mesostenus gracilis*.  
**Ephestia figulilella** Gregson: *Idechthis canescens*, *Mesostenus gracilis*.  
**Ephestia kuehniella** Zeller: *?Horogenes kiehtani*, *Hyposoter fugitivus*, *Idechthis*  
*canescens*, *Mesostenus gracilis*.  
**Plodia interpunctella** (Huebner): *?Horogenes kiehtani*, *?Hyposoter pilosulus*,  
*Idechthis canescens*, *?Olesicampe lophyri*.  
**"Phycita"** sp.: *Glypta varipes*.

## EPIPASCHIIDAE

**Tetralopha subcanalis** (Walker): *Toxophoroides scitulus*, *Zaleptopygus tetralophae*.

## GALLERIIDAE

**Galleria mellonella** (Linnaeus): *Horogenes galleriae*, *Idechthis canescens*.

## CRAMBIDAE

**Crambus teterellus** (Zincken): *Horogenes pattoni*.

**Crambus topiarius** Zeller: *Cremastus facilis*.

**Crambus trisectus** (Walker): *Coccygomimus aequalis*.

**Crambus vulgivagellus** Clemens: *Cryptus persimilis*, *Pimplopterus frigidus*.

**Crambus zeellius** Fernald: *Campoletis argentifrons*.

**Crambus** sp.: *Horogenes obscurus*, *Listrognathus albomaculatus* var. *albomaculatus*, ?*Zaleptopygus retiniae*.

**Diatraea crambidoides** Grote: *Cremastus ferrugineus*.

**Diatraea** sp.: *Gambrus bituminosus*.

**Chilo forbesellus** Fernald: *Cremastus chilonis*, *Neostriicklandia sericata*.

**Chilo** sp. near *plejadellus* Zincken: *Coccygomimus aequalis*.

**Occidentalia comptulatalis** (Hulst): *Cremastus chilonis*, *Neostriicklandia sericata*.

Crambid on *Triticum aestivum* and other grass: *Campoletis oxylus*.

## PYRALIDIDAE

**Pyralis farinalis** (Linnaeus): *Hypsicera mansuetor*.

Pyralidid: *Glypta caulicola*.

Pyralidid in water lily: *Apsilops hirtifrons*.

Pyralidid on *Alnus rugosa*: *Hypsicera femoralis*.

Pyralidid? on *Betula alba*: *Scambus hispae*.

Pyralidid on *Carya* sp.: *Mesostenus thoracicus*.

Pyralidid on *Solidago* sp.: *Eiphosoma pyralidis*.

Pyralidid on thistle: *Phaeogenes vincibilis*.

## PYRAUSTIDAE

## (GLAPHYRIINAE)

**Dicymolomia julianalis** (Walker): *Cremastus gracilipes*, *Scambus hispae*, *Scambus tecumseh*.

## (PYRAUSTINAE)

**Hymenia fascialis** (Cramer): *Campoletis argentifrons*, *Charops infesta*.

**Desmia funeralis** (Huebner): *Coccygomimus sanguineipes*, *Horogenes oblitteratus*, *Mesochorus discitergus*, *Triclistus propinquus*, *Triclistus pygmaeus*.

**Diaphania hyalinata** (Linnaeus): *Charops infesta*, *Itopectis conquisitor*.

**Diaphania quadristigmalis** (Guenée): *Glypta vulgaris*, *Itopectis conquisitor*.

**Hellula undalis** (Fabricius): *Cremastus facilis*, *Horogenes insularis*, *Horogenes plutellae*.

**Mimorista flavidissimalis** (Grote): *Eiphosoma bruesi*, *Eiphosoma texanum*.

**Loxostege similalis** (Guenée): *Horogenes pattoni*, *Mesochorus electilis*, *Phytodietus pulcherrimus*.

**Loxostege sticticalis** (Linnaeus): *Campoletis patsuketorum*, *Campoplex furus*.

**Loxostege** sp.: *Pristomerus appalachianus*.

**Tholeria reversalis** (Guenée): *Coccygomimus sanguineipes*.

**Phlyctaenia extricalis** (Guenée): *Mesostenus thoracicus*.

**Phlyctaenia rubigalis** (Guenée): *Campoplex phthorimaeae*, *Charops infesta*, *Coccygomimus sanguineipes*, *Horogenes acutus*.

**Phlyctaenia tertialis** (Guenée): *Campoplex validus*, *Gambrus ultimus*, *Phytodietus pulcherrimus*, *Triclistus propinquus*.

**Pyrausta ainsliei** Heinrich: *Cremastus facilis*, *Gambrus bituminosus*, *Pterocormus laetus*.

**Pyrausta futilalis** (Lederer): *Mesostenus thoracicus*.

**Pyrausta nubilalis** (Huebner): *Campoletis argentifrons*, *Gambrus bituminosus*, *Horogenes punctorius*, *Itopectis conquisitor*, *Melanichneumon brevicinctor*, *Scambus pterophori*, *Zaleptopygus flavo-orbitalis*.

**Pyrausta penitalis** (Grote): *Cremastus facilis*, *Gambrus bituminosus*, *Labrorychus prismaticus*.

**Pyrausta subsequalis** (Guenée): *Horogenes acutus*, *Glypta vulgaris*.

**Pyrausta theseusalis** (Walker): *Gambrus nunciatus*.

#### (NYMPHULINAE)

**Nymphula oblitalis** (Walker): *Apsilops hirtifrons*.

**Nymphula** sp.: *Apsilops hirtifrons*.

#### THYRIDIDAE

**Meskea dyspteraria** Grote: *Calliephialtes grapholithae*.

#### MEGALOPYGIDAE

**Megalopyge opercularis** (Abbot & Smith): *Compsocryptus retentor*.

#### LIMACODIDAE

**Sibine stimulea** (Clemens): *Acrolyta nigricapitata*.

**Alarodia slossoniae** (Packard): *Christolia texana*.

#### (Group MACROLEPIDOPTERA)

#### GEOMETRIDAE

#### (OENOCRROMINAE)

**Alsophila pometaria** (Harris): *Phobocampe clisiocampae*.

## (GEOMETRINAE)

**Synchlora aerata** (Fabricius): *Hyposoter sarntheinii*.

**Synchlora rubrifrontaria** Packard: *Campoplegidea variabilis*.

**Synchlora** sp.: *Hyposoter synchlora*.

## (LARENTIINAE)

**Calocalpe undulata** (Linnaeus): *Campoplex validus*.

**Coryphista meadii** (Packard): *Coccygomimus aequalis*, *Cratichneumon signatipes*.

**Eupithecia miserulata** Guenée: *Charops eupitheciae*.

**Lygris diversilineata** (Huebner): *Campoplegidea diversa*.

**Hydriomena divisaria** (Walker): *Campoplegidea luctuosa*, *Euceros thoracicus*.

**Eulype hastata gothicata** (Guenée): *Campoplegidea lapponica kukakensis*.

## (ENNOMINAE)

**Bapta semiclarata** (Walker): *Campoplegidea quebecensis*.

**Semiothisa bisignata** (Walker): *Charops eupitheciae*.

**Semiothisa granitata** (Guenée): *Campoplegidea lobata*, *Campoplegidea vicina*,  
*Charops eupitheciae*, *Euceros frigidus*, *Euceros thoracicus*, *Platylabus ornatus*.

**Semiothisa sexmaculata** (Packard): *Campoplegidea vicina*.

**Itame sulphurea** (Packard): *Melanichneumon brevicinctor*, *Pterocormus putus*.

**Ematurga amitaria** (Guenée): *Campoplegidea variabilis*, *Cratichneumon sublatus*.

**Paraphia piniata** Packard: *Coelichneumon caeruleus*.

**Protoboarmia porcelaria** (Guenée): *Coccygomimus pedalis*, *Cratichneumon acerbus*, *Cratichneumon promptus*, *Mastrus aciculatus*.

**Phigalia titea** (Cramer): *Campoplegidea vitticollis*, *Phobocampe flavipes*.

**Erannis tiliaria** (Harris): *Phobocampe flavipes*.

**Nematocampa limbata** (Haworth): *Itopectis conquisitor*.

**Ennomos subsignarius** (Huebner): ? *Ephialtes annulicornis*, *Glypta simplicipes*,  
*Itopectis conquisitor*, *Phobocampe flavipes*, *Scambus hispae*, *Theronia atlantae*.

**Sabulodes caberata** Guenée: *Ophion magniceps*.

**Nepytiya canosaria** (Walker): *Aoplus velox*, *Ephialtes ontario*, *Itopectis conquisitor*.

**Caripeta divisata** Walker: *Euceros thoracicus*.

**Lambdina fiscellaria fiscellaria** (Guenée): *Aoplus velox*, *Campoplegidea ellopiae*,  
*Coccygomimus pedalis*, *Ephialtes ontario*, *Itopectis conquisitor*, *Itopectis obesus*,  
*Mastrus argeae*, *Mesochorus hamatus*.

**Lambdina fiscellaria lugubrosa** (Hulst): *Ephialtes ontario*.

**Lambdina fiscellaria somnaria** (Hulst): *Aoplus cestus*, *Coccygomimus ellopiae*,  
*Ephialtes ontario*, *Itopectis obesus*.

**Lambdina** sp.: *Aoplus cestus*, *Coccygomimus sanguineipes*, *Itopectis obesus*.

**Cingilia catenaria** (Drury): *Itopectis conquisitor*, *Therion morio*.

**Prochoerodes forficaria** (Guenée): *Coelichneumon caeruleus*, *Melanichneumon zebratus*.

**Prochoerodes forficaria catenulata** Grote: *Coccygomimus sanguineipes*.



## (Miscellaneous Geometridae)

Canker worm: *Horogenes oculus*, *Melanichneumon residuus*.

Geometrid on *Betula alba*: *Phobocampe geometrae*.

Geometrid on black oak: *Thyreodon atricolor flavicorne*.

Geometrid on *Physalis viscosa*: *Phytodietus vulgaris*.

Geometrid on woodbine: *Pterocormus laetus*.

## DREPANIDAE

*Oreta rosea* (Walker): *Theronia atalantae*.

*Drepana bilineata* (Packard): *Enicospilus purgatus*.

## ZANOLIDAE

*Apatelodes torrefacta* Abbott & Smith: *Enicospilus americanus*.

## LASIOCAMPIDAE

*Artace cribraria* (Ljungh): *Enicospilus glabratus*.

*Tolyte laricis* (Fitch): *Chromocryptus planosae*.

*Tolyte velleda* (Stoll): *Chromocryptus planosae*.

*Malacosoma ambisimile* (Dyar): *Hyposoter fugitivus pacificus*.

*Malacosoma americanum* (Fabricius): *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Gambrus extrematis*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

*Malacosoma californicum* (Packard): *Hyposoter fugitivus*, *Iseropus californiensis*, *Iseropus coelebs*.

*Malacosoma constrictum* (Stretch): *Iseropus californiensis*, *Iseropus coelebs*.

*Malacosoma disstria* (Huebner): *Campoplegidea vitticollis*, *Coccygomimus pedalis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

*Malacosoma disstria erosum* (Stretch): *Campoplex validus*.

*Malacosoma fragile* (Stretch): *Coccygomimus sanguineipes*, *Itoplectis atrocoxalis*, *Itoplectis conquisitor*, *Labrorychus analis*.

*Malacosoma pluviale* (Dyar): *Hyposoter fugitivus pacificus*.

*Malacosoma* sp.: *Anomalon exile*, *Gambrus extrematis*, *Itoplectis atrocoxalis*, *Itoplectis conquisitor*, *Labrorychus analis*, *Phobocampe clisiocampae*, *Theronia atalantae*.

*Epicnaptera americana* (Harris): *Chromocryptus planosae*.

## LYMANTRIIDAE

*Byrdia groenlandica* (Homeyer): *Hyposoter pectinatus*.

*Byrdia rossii* (Curtis): *Cratichneumon lariae*.

*Notolophus antiquus* (Linnaeus): *Campoplex validus*, *Charops limenitidis*, *Cratichneumon unifasciatus*, *Ephialtes pacificus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Phobocampe pallipes*, *Scambus hispae*.

**Notolophus antiquus badius** (Hy. Edwards): *Coccygomimus pedalis*, *Iseropus brunneifrons*.

**Hemerocampa definita** (Packard): *Iseropus coelebs*.

**Hemerocampa leucostigma** (Abbott & Smith): *Bathythrix pimplae*, *Campoplex validus*, *Charops limenitidis*, *Coccygomimus maurus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Cratichneumon unifasciatus*, *Gelis insolitus*, *Gelis tenellus*, *Haplaspis mandibularis*, *Iseropus brunneifrons*, *Iseropus coelebs*, *Itopectis conquisitor*, *Labrorychus analis*, ?*Melanichneumon subcyaneus*, *Phobetes thyridopteryx*, *Phobocampe clisiocampae*, *Pterocormus laetus*, *Scambus hispae*, *Theronia atalantae*.

**Hemerocampa osleri** (Barnes): *Coccygomimus sanguineipes*, *Iseropus brunneifrons*.

**Hemerocampa pseudotsugata** McDunnough: *Coccygomimus sanguineipes*, *Glypta fumiferanae*, *Iseropus brunneifrons*, *Itopectis obesus*, *Phobocampe pallipes*, *Theronia atalantae*.

**Hemerocampa vetusa** var. **gulosa** (Hy. Edwards): *Iseropus orgyiae*.

**Hemerocampa** sp.: *Iseropus coelebs*, *Iseropus orgyiae*, *Itopectis conquisitor*, *Theronia atalantae*.

**Olene atomaria** (Walker): *Hyposoter parorygiae*, *Hyposoter rubiginosus*.

**Olene basiflava** (Packard): *Charops limenitidis*, *Hyposoter rubiginosus*.

**Olene leucophaea** (Abbott & Smith): *Itopectis conquisitor*, *Theronia atalantae*.

**Olene plagiata pinicola** Dyar: *Coccygomimus pedalis*.

**Olene** sp.: *Iseropus coelebs*.

**Porthetria dispar** (Linnaeus): *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe disparis*, *Theronia atalantae*, *Theronia hilaris*.

**Stilpnotia salicis** (Linnaeus): *Coccygomimus pedalis*, *Itopectis atrocoxalis*, *Itopectis conquisitor*, *Theronia atalantae*.

**Nygmia phaeorrhoea** (Donovan): *Anomalon exile*, *Campoplex validus*, *Coccygomimus pedalis*, *Itopectis conquisitor*, *Phobocampe clisiocampae*, *Theronia atalantae*.

"Liparid" on *Pinus* sp.: *Pterocormus burkei*.

Tussock moth: *Coccygomimus aequalis*.

#### NOTODONTIDAE

**Ichthyura inclusa** Huebner: *Campoplex validus*, *Labrorychus analis*.

**Ichthyura strigosa** Grote: *Campoplex validus*.

**Ichthyura** sp.: *Syzeuctus elegans*.

**Datana angusii** Grote & Robinson: *Therion morio*.

**Datana contracta** Walker: *Aphanistes hyalinis*, *Heteropelma fulvicorne*.

**Datana integerrima** Grote & Robinson: *Heteropelma datanae*, *Heteropelma fulvicorne*, *Labrorychus relictus*.

**Datana ministra** (Drury): *Coccygomimus aequalis*, *Heteropelma fulvicorne*, *Hyposoter fugitivus*, *Labrorychus relictus*.

**Datana perspicua** Grote & Robinson: *Heteropelma fulvicorne*, *Phobocampe clisiocampae*.

**Datana** sp.: *Megarhyssa atrata*.

**Datana** sp. on *Hammamelis virginiana*: *Heteropelma fulvicorne*.

**Datana** sp. on *Juglans* sp.: *Heteropelma datanae*.

**Pheosia rimosa** Packard: *Campoplegidea semirufa*.

**Symmerista albifrons** (Abbott & Smith): *Aphanistes hyalinis*, *Ophion tityri*.

**Heterocampa bilineata** (Packard): *Glypta simplicipes*.

**Heterocampa guttivitta** (Walker): *Coccygomimus pedalis*, *Cratichneumon sub-latus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Pterocormus heterocampae*.

**Heterocampa manteo** (Doubleday): *Ophion bilineatus*.

**Fentonia marthesia** (Cramer): *Coccygomimus aequalis*.

**Schizura concinna** (Abbott & Smith): *Aphanistes hyalinis*, *Campoplex validus*, *Enicospilus arcuatus*, *Enicospilus purgatus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Netelia deceptor*, *Phobocampe clisiocampae*.

**Schizura unicornis** (Abbott & Smith): *Enicospilus purgatus*.

"**Notodonta**" sp. on *Populus tremuloides*: *Mesochorus luteipes*.

#### DIOPTIDAE

**Phryganidia californica** Packard: *Itopectis behrensii*.

#### PHALAEINIDAE

##### (AGARISTINAE)

**Alypia octomaculata** (Fabricius): *Netelia geminata*.

##### (ACRONICTINAE)

**Acronicta americana** (Harris): *Therion fuscipenne*.

**Acronicta betulae** Riley: *Mastus pilifrons*.

**Acronicta hastulifera** (Abbott & Smith): *Therion confusum*, *Therion fuscipenne*.

**Acronicta hesperida** Smith: *Therion fuscipenne*.

**Acronicta impressa** Walker: *Therion fuscipenne*.

**Acronicta obliterata** (Abbott & Smith): *Charops genuina*, *Cratichneumon unifasciatus*, *Cyrtobasis bicarinata*, *Horogenes acronyctae*, *Metopius pollinctorius*.

**Acronicta radcliffei** (Harvey): *Netelia platypes*.

**Acronicta** sp.: *Ectopimorpha wilsoni*, *Enicospilus americanus*, *Ophion slossonae*.

**Acronicta** sp. secondary: *Gelis tenellus*.

**Merolonche lupini** (Grote): *Therion confusum*, *Therion fuscipenne*.

**Simyra henrici** (Grote): *Iseropus brunneifrons*, *Iseropus coelebs*.

##### (PHALAEININAE)

**Euxoa excellens** (Grote): *Pseudamblyteles nunciatus*, *Pseudamblyteles subfuscus*.

**Euxoa ochrogaster** (Guenée): *Campoplex atkinsoni*, *Pseudamblyteles subfuscus*.

**Chorizagrotis auxiliarius** (Grote): *Amblyteles subrufus*, *Exetastes lasius*, *Pseudamblyteles nunciatus*, *Pseudamblyteles subfuscus*, *Pterocormus longulus*.

- Agrotis gladiaria** Morris: *Ophion bilineatus*.  
**Agrotis malefida** Guenée: *Exetastes bifenestratus*.  
**Agrotis orthogonia** Morris: *Netelia ocellata*.  
**Agrotis ypsilon** (Rottensburg): *Campoletis argentifrons*, *Ophion bilineatus*.  
**Agrotis** sp.: *Exetastes bifenestratus*.  
**Feltia ducens** Walker: *Erigorgus propinquus*, *Ophion bilineatus*, *Pseudamblyteles suturalis*.  
**Feltia subterranea** (Fabricius): *Enicospilus purgatus*.  
**Peridroma margaritosa** (Haworth): *Campoletis argentifrons*, *Coccygomimus sanguineipes*, *Coelichneumon maurus*, *Enicospilus purgatus*, *Pterocormus cupitus*.  
**Amathes badinodis** (Grote): *Netelia geminata*, *Netelia sayi*.  
**Amathes c-nigrum** (Linnaeus): *Ophion bilineatus*, *Pseudamblyteles comes*, *Pterocormus laetus*, *Pterocormus lividulus*, *Pterocormus purpuripennis*.  
**Abagrotis alternata** (Grote): *Exetastes bituminosus*.

## (HADENINAE)

- Scotogramma trifolii** (Rottensburg): *Enicospilus purgatus*.  
**Barathra curialis** (Smith): *Banchus flavescens*.  
**Polia legitima** (Grote): *Banchus inermis*, *Netelia deceptor*.  
**Lacinipolia stricta** (Walker): *Campoletis argentifrons*.  
**Anarta** sp.: *Hyposoter frigidus*.  
**Nephelodes emmedonia** (Cramer): *Campoletis oxylus*.  
**Morrisonia confusa** (Huebner): *Campoletis argentifrons*.  
**Ceramica picta** (Harris): *Campoletis argentifrons*, *Enicospilus purgatus*, *Hyposoter annulipes*.  
**Dargida procincta** (Grote): *Campoletis argentifrons*.  
**Neleucania** sp.: *Campoletis argentifrons*.  
**Protoleucania albilinea** (Huebner): *Anomalon apicale*, *Hyposoter nigrolineatus*, *Ichneumon obsoletus*, *Netelia geminata*.  
**Cirphis latiuscula** (Herrich-Schaeffer): *Enicospilus purgatus*.  
**Cirphis multilinea** (Walker): *Enicospilus purgatus*.  
**Cirphis unipuncta** (Haworth): *Acrolyta nigricapitata*, *Campoletis oxylus*, *Coccygomimus pedalis*, *Cratichneumon paratus*, *Diplazon scutellaris*, *Enicospilus purgatus*, *Gelis minimus*, *Gelis tantillus*, *Melanichneumon brevicinctus*, *Mesochorus discitergus*, *Netelia geminata*, *Pseudamblyteles koebelei*, *Pseudamblyteles suturalis*, *Pterocormus brevipennis*, *Pterocormus canadensis*, *Pterocormus funestus*, *Pterocormus jucundus*, *Pterocormus purpuripennis*.  
**"Hadena"** sp.: *Hyposoter frigidus*.  
**"Mamestra"** sp.: *Hyposoter annulipes*.

## (CUCULLINAE)

- Cucullia asteroides** Guenée: *Exetastes suaveolens*.  
**Cucullia intermedia** Speyer: *Amblyteles nubivagus*.

- Graptolitha antennata** (Walker): *Netelia sayi*.  
**Graptolitha** sp.: *Campoplegidea diversa*.  
**Epiglaea apiata** (Grote): *Campoletis oxlyus*.  
**Metaxaglaea inulta** (Grote): *Ophion bilineatus*.  
**Pyreferra hesperidago** (Guenée): *Netelia sayi*.  
**Rusina bicolorago** (Guenée): *Ophion bilineatus*, *Ophion idoneus*.

## (AMPHIPYRINAE)

- Crymodes devastator** (Brace): *Lissonota varia*, *Pterocormus jucundus*.  
**Luperina stipata** (Morris): *Ectopimorpha luperinae*, *Lissonota brunnea*, *Pterocormus jucundus*.  
**Oligia fractilinea** (Grote): *Campoletis oxylus*, *Lissonota rufipes*, *Pterocormus laetus*.  
**Hypaeroecia immanis** Guenée: *Pterocormus subdolos*.  
**Papaipema cataphracta** Grote: ?*Coelichneumon orpheus*, *Lissonota brunnea*, ?*Pterocormus laetus*.  
**Papaipema circumlucens** Smith: *Pterocormus jucundus*.  
**Papaipema duplicata** Bird: *Pterocormus laetus*.  
**Papaipema impecuniosa** (Grote): *Chasmias scelestus*.  
**Papaipema nebris** (Guenée): *Campoletis oxylus*, ?*Coelichneumon orpheus*, *Lissonota brunnea*, *Pterocormus jucundus*, *Pterocormus laetus*.  
**Calloplistria floridensis** (Guenée): *Melanichneumon brevicinctor*.  
**Macronoctua onusta** Grote: *Melanichneumon brevicinctor*, *Melanichneumon rubicundus*, *Pterocormus jucundus*, *Pterocormus laetus*.  
**Phosphila turbulenta** Huebner: *Aphanistes hyalinis*, *Therion petiolatum*.  
**Prodenia dolichos** (Fabricius): *Netelia geminata*.  
**Prodenia eridania** (Cramer): *Ophion bilineatus*.  
**Prodenia ornithogalli** Guenée: *Campoletis argentifrons*, *Campoletis flavicinctus*, *Enicospilus purgatus*, *Hyposoter nigrolineatus*, *Ophion bilineatus*.  
**Prodenia praefica** Grote: *Cryptus tejonensis*, *Hyposoter exiguae*, *Pterocormus dif-  
 ficilis*.  
**Prodenia** sp.: *Campoletis argentifrons*, *Pristomerus appalachianus*.  
**Laphygma exigua** (Huebner): *Campoletis argentifrons*, *Campoplex caradrinae*, *Hyposoter exiguae*, *Hyposoter nigrolineatus*, *Ophion bilineatus*, *Pristomerus appalachianus*.  
**Laphygma frugiperda** (Abbott & Smith): *Campoletis argentifrons*, *Campoletis oxylus*, *Enicospilus purgatus*, *Netelia geminata*, *Ophion bilineatus*, *Pristomerus appalachianus*.  
**Zotheca tranquilla** Grote: *Glypta simplicipes*, *Scambus alboricta*.  
**Achatodes zeae** (Harris): *Amblyteles consignatus*, *Chasmias scelestus*, *Coccygomimus aequalis*, *Coelichneumon caeruleus*, *Lissonota brunnea*, *Melanichneumon brevicinctor*, *Scambus pterophori*.  
**Pyrria umbra** (Hufnagel): *Hyposoter annulipes*.  
**Catabena lineolata** Walker: *Exetastes septum*.

## (HELIOTHIINAE)

- Heliothis armigera** (Huebner): *Campoletis argentifrons*, *Hyposoter annulipes*,  
*Hyposoter exiguae*, *Netelia sayi*, *Netelia spinipes*.  
**Heliothis** sp.: *Campoplegidea laticincta*.

## (ACONTIINAE)

- Eublemma minima** (Guenée): *Delomerista novita*.

## (PLUSIINAE)

- Autographa brassicae** (Riley): *Aoplus cincticornis*, *Campoletis tibiator*, *Itopectis conquisitor*.  
**Autographa californica** (Speyer): *Campoletis websteri*, *Itopectis atrocoxalis*.  
**Autographa falcifera** (Kirby): *Charops infesta*.  
**Autographa** sp.: *Campoletis argentifrons*.  
**Plusia precationis** (Guenée): *Hyposoter annulipes*.

## (CATOCALINAE)

- Catocala antinympha** (Huebner): *Hyposoter annulipes*.  
**Catocala** sp.: *Coelichneumon viola*.  
**Paralellia bistriaris** Huebner: *Netelia longipalpus*.  
**Zale lunata** (Drury): *Netelia strigilobus*.  
**Melipotis jucunda** Huebner: *Netelia pallens pallens*.  
**Anticarsia gemmatilis** (Huebner): *Coccygomimus aequalis*, *Ophion bilineatus*.  
**Scoliopteryx libatrix** (Linnaeus): *Enicospilus arcuatus*, *Enicospilus purgatus*.  
**Alabama argillacea** (Huebner): *Coccygomimus aequalis*, *Enicospilus purgatus*,  
*Gambrus nuncius*, *Itopectis conquisitor*.  
**Anomis erosa** Huebner: *Itopectis conquisitor*.

## (HERMINIINAE)

- Epizeuxis aemula** (Huebner): *Campoletis heliae*.  
**Bleptina** sp.: *Itopectis conquisitor*, *Melanichneumon brevicinctor*.  
**Lascoria ambigualis** (Walker): *Melanichneumon brevicinctor*.

## (Miscellaneous phalaenids)

- Climbing cutworm: *Pterocormus laetus*.  
Cutworm: *Campoletis argentifrons*, *Cryptus robustus*, *Ectopimorpha wilsoni*,  
*Exetastes illinoiensis*, *Itopectis atrocoxalis*, *Lissonota varia*, *Pseudamblyteles koebelei*.  
Phalaenid: *Amblyteles ormenus*, *Aoplus velox*, *Aphanistes puparum*, ?*Campoplegidea assita*, *Lissonota varia*, *Pterocormus laetus*, *Syzeuctus elegans*,  
*Therion circumflexum*, *Therion merio*.  
Phalaenid on *Betula lenta*: *Hyposoter noctuae*.

## ARCTIIDAE

**Halisidota caryae** (Harris): *Aphanistes hyalinis*, *Cratichneumon unifasciatorius*, *Iseropus coelebs*, *Ophion tityri*, *Theronia hilaris*.

**Halisidota maculata** (Harris): *Coccygomimus pedalis*, *Enicospilus glabratus*, *Erigorgus elongatus*, *Therion morio*, *Theronia hilaris*.

**Halisidota tessellaris** (Abbott & Smith): *Cratichneumon unifasciatorius*, *Netelia unguicularis*, *Scambus hispae*.

**Halisidota** sp.: *Coccygomimus pedalis*, *Cratichneumon unifasciatorius*, *Theronia hilaris*.

**Cycnia inopinata** (Hy. Edwards): *Therion morio*, *Therion sassacus*.

**Cycnia tenera** Huebner: *Campoplex validus*, *Labrorychus analis*, *Therion sassacus*.

**Euchaetias egle** (Drury): *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, *Mesochorus discitergus*.

**Diacrisia virginica** (Fabricius): *Coccygomimus sanguineipes*, *Cratichneumon signatipes*, *Cratichneumon unifasciatorius*, *Enicospilus glabratus*, *Heteropelma fulvicorne*, *Hyposoter pilosulus*, *Melanichneumon subcyaneus*, *Ophion bilineatus*, *Therion morio*, *Therion tenuipes*.

**Isia isabella** (Abbott & Smith): *Campoplex validus*, *Coccygomimus pedalis*, *Coelichneumon caeruleus*, *Conocalama nubilipennis*, *Cratichneumon signatipes*, *Cryptus albitarsis*, *Enicospilus americanus*, *Enicospilus glabratus*, *Gnamptopelta obsidianator*, *Pterocormus centrator*.

**Estigmene acrea** (Drury): *Charops genuina*, *Therion morio*.

**Hyphantria cunea** (Drury): *Campoplex validus*, *Charops genuina*, *Charops limenitidis*, *Enicospilus glabratus*, *Erigorgus ambiguus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Itopectis conquisitor*, *Melanichneumon brevicinctor*, *Melanichneumon subcyaneus*, *Phobocampe pallipes*, *Pterocormus cinctitarsis*, *Therion morio*, *Therion sassacus*.

**Hyphantria** sp.: *Itopectis conquisitor*, ?*Polytribax pallescens*.

**Ecpantheria deflorata** (Fabricius): *Enicospilus glabratus*.

**Arctia** sp.: *Cratichneumon unifasciatorius*, *Pseudamblyteles lewisii*.

Arctiid: *Coelichneumon caeruleus*, *Cratichneumon unifasciatorius*, *Melanichneumon subcyaneus*, *Ophion bifoveolatus*.

Woolly bear: *Charops genuina*.

## NOLIDAE

**Celama sorghiella** (Riley): *Cremastus minor*.

**Nola** sp. on *Salix* sp.: *Campoplex nolae*.

## CTENUCHIDAE

**Ctenucha virginica** (Charpentier): *Iseropus brunneifrons*, *Pterocormus canadensis*.

## CITHERONIIDAE

- Anisota rubicunda** (Fabricius): *Hyposoter fugitivus*.  
**Anisota senatoria** (Abbott & Smith): *Gelis tenellus*, *Hyposoter fugitivus*.  
**Anisota stigma** (Fabricius): *Hyposoter fugitivus*.  
**Anisota virginiensis** (Drury): *Hyposoter fugitivus*.

## SATURNIIDAE

- Philosamia walkeri advena** Packard: *Enicospilus americanus*.  
**Rothschildia orizaba** (Westwood): *Enicospilus americanus*.  
**Samia cecropia** (Linnaeus): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Ophion bilineatus*, *Theronia atalantae*.  
**Samia columbia** Smith: *Enicospilus americanus*, *Gambrus extrematis*, *Mastrus smithii*.  
**Samia rubra** (Behr): *Enicospilus americanus*.  
**Callosamia promethea** (Drury): *Enicospilus americanus*, *Enicospilus glabratus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus compactus*, *Ophion bifoveolatus*.  
**Tropaea luna** (Linnaeus): *Enicospilus americanus*, *Metopius pollinatorius*.  
**Telea polyphemus** (Cramer): *Enicospilus americanus*, *Gambrus extrematis*, *Gambrus nuncius*, *Mastrus smithii*.  
**Automeris io** (Fabricius): *Enicospilus americanus*, *Enicospilus glabratus*, *Hyposoter fugitivus*.  
**Coloradia pandora** Blake: *Gelis tenellus*.  
**Hemileuca lucina** Hy. Edwards: *Itopectis conquisitor*.  
**Hemileuca maia** (Drury): *Coccygomimus sanguineipes*, *Hyposoter fugitivus*.  
**Hemileuca oliviae** Cockerell: *Coccygomimus sanguineipes*, *Itopectis conquisitor*.  
**Hemileuca lucina** Hy. Edwards or **maia** (Drury): *Glypta erratica*, *Glypta simplicipes*, *Hyposoter fugitivus*, *Itopectis conquisitor*.

## SPHINGIDAE

- Dolba hylaeus** (Drury): *Conocalama brullei*.  
**Sphinx kalmiae** Abbott & Smith: *Tricyphus apicalis*.  
**Sphinx luscitiosa** Clemens: *Heteropelma fulvicorne*.  
**Lapara coniferarum** (Abbott & Smith): *Thyreodon atricolor atricolor*.  
**Smerinthus jamaicensis** (Drury): *Mesochorus discitergus*.  
**Paonias astylus** (Drury): *Conocalama brullei*.  
**Paonias excaecatus** (Abbott & Smith): *Thyreodon atricolor atricolor*.  
**Paonias myops** (Abbott & Smith): *Conocalama brullei*, *Conocalama copei*, *Conocalama copei* var. *nigrocinctus*.  
**Ampeloeca myron** (Cramer): *Tricyphus elegans vulpinus*.  
**Ampeloeca** sp.: *Conocalama nubilipennis*.  
**Sphecodina abbottii** (Swainson): *Conocalama nubilipennis*.  
**Proserpinus juanita** (Strecker): *Catadelphus atrox*.



## HESPERIIDAE

**Proteides clarus** (Cramer): *Cratichneumon signatipes*, *Ophion tityri*, *Polytribax pallescens*, *Theronia hilaris*.

**Pholisora catullus** (Fabricius): *Hyposoter fugitivus*.

Hesperiid pupa: *Amblyteles subrufus*.

## LYCAENIDAE

**Strymon melinus** (Huebner): *Labrorychus pseudargioli*.

**Lycaena hypophlaeas** (Boisduval): *Pterocormus maius*.

**Lycaenopsis pseudargiolus** (Boisduval & Leconte): *Isdromas lycaenae*, *Labrorychus pseudargioli*.

"**Lycaena**" sp.: *Amblyteles subrufus*.

## NYMPHALIDAE

**Argynnis** sp.: *Coccygomimus sodalis*.

**Euphydryas chalcodon** (Doubleday & Hewitson): *Benjaminia fuscipennis*, *Gelis tenellus*.

**Euphydryas phaëton** (Drury): *Benjaminia euphydryadis*, *Pterocormus maius*.

**Melitaea harrisii** Scudder: *Benjaminia euphydryadis*, *Hoplismenus propitius*.

**Phyciodes tharos** (Drury): *Hoplismenus propitius*.

**Polygonia comma** (Harris): *Cryptus albitarsis*, *Glypta erratica*, *Pterocormus rufiventris*.

**Polygonia faunus** (Edwards): *Pterocormus maius*.

**Polygonia interrogationis** (Fabricius): *Hoplismenus morulus*, *Pterocormus caliginosus*.

**Polygonia satyrus** (Edwards): *Pterocormus caliginosus*.

**Nymphalis antiopa** (Linnaeus): *Coelichneumon maurator*, *Hoplismenus morulus*, *Itopectis conquisitor*.

**Nymphalis californica** (Boisduval): *Theronia atalantae*.

**Nymphalis milberti** (Goedart): *Pterocormus rufiventris*.

**Vanessa atalanta** (Linnaeus): *Campoletis argentifrons*, *Pterocormus caliginosus*.

**Vanessa cardui** (Linnaeus): *Hyposoter fugitivus*, *Itopectis conquisitor*, *Pterocormus rufiventris*, *Therion morio*, *Trogus pennator*.

**Vanessa virginiensis** (Drury): *Pterocormus rufiventris*.

**Basilarchia archippus** (Cramer): *Charops limenitidis*, *Hyposoter disippi*, *Pterocormus caliginosus*.

**Asterocampa celtis** (Boisduval & Leconte): *Hyposoter fugitivus*.

**Asterocampa clyton** (Boisduval & Leconte): *Charopsimorpha tibialis*, ?*Coccygomimus aequalis*, *Hyposoter fugitivus*.

## SATYRIDAE

**Oeneis melissa** (Fabricius): *Pterocormus instabilis*.

## PIERIDAE

**Colias notatus eurytheme** Boisduval: *Hyposoter exiguae*, *Nepiera benevola*.

**Colias notatus notatus** (Megerle) secondary: *Mesochorus discitergus*.

**Neophasia menapia** (Felder & Felder): *Theronia atalantae*.

**Pieris rapae** (Linnaeus): *Itopectis conquisitor*, *Mesochorus pieridicola*, *Trogus pennator*.

## PAPILIONIDAE

**Papilio ajax** Linnaeus: *Conocalama nubilipennis*, *Gnamptopelta obsidianator*, *Trogus pennator*.

**Papilio brevicauda** Saunders: *Trogus pennator*.

**Papilio cresphontes** Cramer: *Gelis tenellus*.

**Papilio eurymedon** Lucas: *Trogus edwardsii*, *Trogus fulvipes*, *Trogus pennator*.

**Papilio glaucus** Linnaeus: *Trogus fulvipes*, *Trogus pennator*.

**Papilio marcellus** Linnaeus: *Coccygomimus aequalis*, *Itopectis conquisitor*, *Therion morio*, *Trogus pennator*.

**Papilio rutulus** Lucas: *Trogus pennator*.

**Papilio troilus** Linnaeus: *Calliephialtes notandus*, *Trogus pennator*.

**Papilio zelicaon** Lucas: *Trogus pennator*.

**Papilio** sp.: *Trogus edwardsii*.

## Miscellaneous Lepidoptera of Unknown Family

Blackish-gray leaf roller on *Populus* sp.: *Lissonota parva*.

Blossom worm on *Vaccinium macrocarpon*: *Campoletis oxylus*.

Bombycid? on *Gnaphalium* sp.: *Gambrus extrematis*.

"**Bombyx**" sp.: *Cratichneumon unifasciatorius*.

Bud moth: *Itopectis conquisitor*.

Cocoon under bark of *Pinus* sp.: *Enicospilus glabratus*.

Fruit tree leaf roller: *Itopectis obesus*.

Gall on *Quercus* sp.: *Diplazon laetatorius*.

Gall on *Solidago* sp.: *Campoplex depressus*.

Grape vine larva: *Charops genuina*.

Insect in cones of *Abies shastensis*: *Pimplopterus conocola*.

Larva on *Carya* sp.: *Hyposoter noctuae*.

Larva on *Clematis* sp.: *Iseropus coelebs*.

Leaf miner: *Itopectis conquisitor*.

Leaf roller on *Fragaria* sp.: *Coccygomimus aequalis*.

Leaf roller on *Fraxinus* sp.: *Iseropus coelebs*.

Leaf roller on *Malus pumila*: *Hyposoter annulipes*.

Leaf roller on plum: *Ischnus atricollaris*.

Leaf roller on *Robinia pseudoacacia*: *Calliephialtes notandus*.

Leaf roller on *Rosa* sp.: *Pimplopterus parvus*.

Leaf roller on *Rubus allegheniensis*: *Toxophoroides scitulus*.

Leaf tier on *Azalea* sp.: *Glypta simplicipes*.

Leaf tier on *Quercus* sp.: *Itopectis conquisitor*.

Lepidopteran: *Coccygomimus nudus*, *Coelichneumon orpheus*, *Cratichneumon facetus*, *Cratichneumon unifasciatus*, *Cryptohelcostizus alamedensis*, *Cryptus arcticus*, *Horogenes compressus*, *Phytodietus fumiferanae*.

Lepidopteran on *Aesculus* sp.: *Itopectis conquisitor*.

Lepidopteran on *Castanea dentata*: *Phytodietus burgessi*.

Lepidopteran on *Myrica gale*: *Itopectis conquisitor*.

Lepidopteran on *Prunus virginiana*: *Iseropus coelebs*.

Lepidopterous gall on *Baccharis pilularis*: *Lampronota pleuralis*.

Lepidopterous gall on *Aplopappus squarrosus*: *Scambus aplopappi*.

Lepidopterous leaf-roller on *Malus pumila*: *Glypta simplicipes*.

Lepidopterous leaf-roller on *Platanus occidentalis*: *Scambus alboricta*.

Lepidopterous leaf-tier on *Crataegus* sp.: *Glypta rufiscutellaris*.

Lepidopterous stem borer in *Eupatorium* sp.: *Glypta erratica*.

Medium-sized hairy caterpillar: *Anomalon apicale*.

Moth pupa: *Coelichneumon caeruleus*.

Moth pupa on *Brassica oleracea*: *Aoplus cincticornis*.

Pod borer in *Iris* sp.: *Horogenes kiehtani*.

Pupa in folds of leaf of *Prunus persica*: *Meniscus quadricinctus*.

Small moth pupa: *Cratichneumon paratus*.

Tent caterpillar: *Cryptus altonii*, *Hyposoter fugitivus pacificus*.

## DIPTERA

### FUNGIVORIDAE

**Zelmira inops** (Coquillett): *Megastylus caseyi*.

insect in *Polyporus applanatus*: *Eusterinx fungicola*.

### SYRPHIDAE

#### (SYRPHINAE)

**Allograpta exotica** (Wiedemann): *Diplazon laetatorius*.

**Allograpta obliqua** (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Ethelurgus syrphicola*, *Syrphoctonus agilis*, *Syrphoctonus humeralis*, *Syrphoctonus pacificus*.

**Allograpta** sp.: *Diplazon laetatorius*.

**Mesogramma polita** (Say): *Diplazon laetatorius*.

**Mesogramma** sp.: *Diplazon laetatorius*.

**Sphaerophoria cylindrica** (Say): *Diplazon laetatorius*, *Diplazon scutellaris*, *Diplazon tibiatorius*, *Syrphoctonus agilis*, *Syrphoctonus decoratus*.

**Sphaerophoria robusta** Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Promethes sulcator*, *Syrphoctonus agilis*.

**Metasyrphus emarginatus** (Say): *Syrphoctonus albopictus*.

**Metasyrphus perplexus** (Osburn): *Diplazon laetatorius*.

**Metasyrphus vinelandi** (Curran): *Diplazon laetatorius*, *Diplazon scutellaris*.

**Metasyrphus wiedemanni** (Johnson): *Diplazon laetatorius*, *Syrphoctonus agilis*.  
**Metasyrphus** sp.: *Diplazon laetatorius*, *Syrphoctonus decoratus*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

**Syrphus rectus** Osten Sacken: *Diplazon laetatorius*, *Ethelurgus syrphicola*.

**Syrphus ribesii** (Linnaeus): *Diplazon laetatorius*.

**Syrphus ribesii vittafrons** Shannon: *Diplazon laetatorius*.

**Syrphus torvus** Osten Sacken: *Diplazon laetatorius*, *Syrphoctonus pleuralis*.

**Syrphus** sp.: *Campoletis oxylus*, *Diplazon tibiatorius*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

**Scaeva pyrastris** (Linnaeus): *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

**Eupeodes volucris** Osten Sacken: *Diplazon laetatorius*, *Diplazon tibiatorius*, *Syrphoctonus decoratus*, *Syrphoctonus humeralis*, *Syrphoctonus maculifrons*, *Syrphoctonus pacificus*.

**Baccha clavata** (Fabricius): *Diplazon laetatorius*, *Diplazon scutellaris*.

**Baccha lemur** Osten Sacken: *Diplazon laetatorius*.

**Paragus bicolor** (Fabricius): *Diplazon laetatorius*.

**Paragus tibialis** (Fallén): *Diplazon laetatorius*.

**Platycheirus erraticus** Curran: *Diplazon laetatorius*, *Promethes elongatus*, *Syrphoctonus compressiventris*, *Zootrephus rufiventris*.

(CHEILOSIINAE)

**Cheilosia alaskensis** Hunter: *Syrphoctonus maculifrons*.

**Cheilosia hoodiana** (Bigot): *Syrphoctonus maculifrons*.

(ERISTALINAE)

**Merodon equestris** (Fabricius): *Rhembobius abdominalis pacificus*.

(HELIOPHILINAE)

**Citibaena strigatus** (Fallén): *Rhembobius abdominalis pacificus*.

(Miscellaneous Syrphidae)

**Syrphid**: *Diplazon laetatorius*, *Syrphoctonus agilis*, *Syrphoctonus maculifrons*, *Syrphoctonus pleuralis*.

Larva on leaves of *Betula alba*: *Syrphoctonus pleuralis*.

CHLOROPIDAE

**Meromyza americana** Fitch: *Charops eupitheciae*.

SCIOMYZIDAE

**Sepedon fuscipennis** Loew: *Mesoleptus declivus*.

TEPHRITIDAE

**Epochra canadensis** Loew: *Phygadeuon epochrae*.

**Eurosta solidaginis** (Fitch): *Enicospilus purgatus*, *Iseropus coelebs*.

## ANTHOMYIIDAE

**Hylemya brassicae** (Bouché): *Syrphoctonus albopictus*.

**Fucellia** sp.: ?*Phygadeuon cylindraceus*.

Anthomyiid on *Nicotiana tabacum*: *Stilpnus anthomyidiperda*.

## MUSCIDAE

Muscid puparium: *Phygadeuon townsendi*.

## TACHINIDAE

**Paradexodes epilachnae** Aldrich: *Phygadeuon subfuscus*.

Tachinid: *Mesochorus tachinae*, *Phygadeuon townsendi*.

## Miscellaneous Diptera of Unknown Family

Dipteran: *Phygadeuon cylindraceus*, *Stenomacrus undulatus*.

Dipterous gall on *Cupressus macrocarpus*: *Campoplex cupressi*.

## HYMENOPTERA

## (SYMPHYTA)

## ARGIDAE

**Arge macleayi** Leach: *Endasys mucronatus*.

**Arge pectoralis** Leach: *Iseropus coelebs*.

**Arge salicis** Rohwer: *Boethus nigripennis*.

**Arge** sp.: *Mastrus argeae*.

**Sterictiphora ebena** (Norton): *Boethus schizoceri*.

## DIPRIONIDAE

**Zadiprion grandis** Rohwer: *Endasys subclavatus*, *Exenterus lophyri*, *Mastrus argeae*.

**Neodiprion abbottii** (Leach): *Lamachus lophyri*, *Olesicampe lophyri*.

**Neodiprion abietis** (Harris): *Agrothereutes lophyri*, *Charops genuina*, *Centeterus fungor*, *Delomerista diprionis*, *Euceros frigidus*, *Exenterus affinis*, *Gelis tenellus*, *Iseropus coelebs*, *Lamachus contortionis*, *Lamachus lophyri*, *Melanichneumon rubicundus*.

**Neodiprion abietis** (Harris) secondary: *Gelis tenellus*.

**Neodiprion banksianae** Rohwer: *Exenterus canadensis*.

**Neodiprion fabricii** (Leach): ?*Exenterus diprioni*.

**Neodiprion lecontei** (Fitch): *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus contortionis*, *Lamachus virginianus*.

**Neodiprion sertifer** (Geoffroy): *Exenterus flavissimus*.

**Neodiprion swainei** Middleton: ?*Exenterus affinis*, ?*Exenterus diprioni*.

**Neodiprion tsugae** Middleton: *Agrothereutes neodiprionis*, *Aptesis tsugae*, *Bathythrix areolaris*, *Bathythrix latifrons*, *Delomerista diprionis*, *Endasys subclavatus*, *Euceros faciens*, *Exenterus tsugae*, *Ischnus oregonensis*, *Itopectis obesus*, *Lamachus angularius*, *Lamachus tsugae*, *Mastrus argeae*, *Phaeogenes arcticus*, *Phaeogenes hariolus*.

**Neodiprion** sp.: *Aptesis indistincta*, *Coccygomimus pedalis*, *Endasys subclavatus*, *Euceros thoracicus*, *Exenterus affinis*, *Exenterus canadensis*, *Exenterus diprioni*, *Lamachus lophyri*, *Mastrus argeae*.

**Neodiprion** sp. on *Pinus banksiana*: *Euceros neodiprioni*.

**Neodiprion** sp. on *Pinus resinosa*: *Exenterus affinis*.

**Diprion hercyniae** (Hartig): *Agrothereutes major*, *Aptesis basizonia*, *Aptesis indistincta*, *Coccygomimus pedalis*, *Delomerista diprionis*, *Endasys subclavatus*, *Exenterus amictorius*, *Exenterus canadensis*, *Exenterus claripennis*, *Gelis urbanus*, *Lamachus contortionis*, *Lamachus ruficoxalis*, *Mastrus argeae*, *Mesoleius aulicus*, *Orthocentrus pusillus*.

**Diprion similis** (Hartig): *Agrothereutes lophyri*, *Delomerista diprionis*, *Exenterus amictorius*, *Gelis tenellus*.

Diprionid: *Endasys subclavatus*, *Mastrus argeae*.

Sawfly on *Cedrus deodarus*: *Exenterus diprioni*.

#### CIMBICIDAE

**Trichiosoma** sp.: *Gambrus extrematis*, *Protarchus longipes*.

**Cimbex americana** Leach: *Agrothereutes cimbicivorus*, *Gambrus nuncius*, *Horigenes compressus*, *Mesochorus melleus*, *Opheltes glaucopterus flavipennis*.

#### TENTHREDINIDAE

**Caliroa amygdalina** Rohwer: *Hyperallus caliroae*.

**Caliroa cerasi** (Linnaeus): *Hypamblys albopictus*, *Rhorus caliroae*, *Rhorus nigratus*.

**Caliroa** sp. on *Nyssa sylvatica*: *Gnesia caliroae*, *Lathrolestes caliroae*.

**Caliroa** sp. on *Quercus prinus*: *Lathrolestes caliroae*.

**Caliroa** sp. on *Quercus rubra*: *Hyperallus virginiensis*.

**Phyllotoma nemorata** (Fallén): *Agrothereutes major*, *Alophosternum foliicola*, *Gelis obscurus*, *Gelis urbanus*, *Scambus hispae*.

**Metallus rubi** Forbes: *Campoletis argentifrons*, *Lathrolestes metalli*, *Lathrolestes rufigaster*.

**Profenusa canadensis** Marlatt: *Aptesis tenthredinarum*.

**Hemichroa crocea** (Fourcroy): *Diaborus mediatu*, *Mesoleius ovalis*.

**Pristiphora californica** Marlatt: *Hypamblys albopictus*.

**Pristiphora erichsonii** (Hartig): *Aptesis indistincta*, *Euceros thoracicus*, *Mesoleius aulicus*.

**Pachynematus affinis** Marlatt: *Syndipnus lateralis*.

**Pachynematus ochreateus** (Harrington): *Smicroplectrus velox*.

- Pikonema alaskensis** (Rohwer): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Smicroplectrus velox*, *Syndipnus gaspesianus*, *Syndipnus rubiginosus*.
- Pikonema dimmockii** (Cresson): *Erromenus bedardi*, *Olesicampe pikonemae*, *Scopiorus quebecensis*, *Syndipnus rubiginosus*.
- Nematus alnivora** Rohwer: *Olesicampe pteronideae*, *Polyterus olympiae*.
- Nematus californicus** Marlatt: *Scambus euurae*.
- Nematus corylus** (Cresson): *Olesicampe pteronideae*.
- Nematus marylandicus** Norton: *Pimplopterus frigidus*.
- Nematus pyriformis** Marlatt: *Scambus euurae*.
- Nematus resinicola** Marlatt: *Mesoleius euurae*.
- Nematus ribesii** (Scopoli): *Aptesia indistincta*.
- Nematus tibialis** Newman: *Endasys pubescens*.
- Nematus ventralis** Say: *Melanichneumon subcyaneus*, *Polyterus olympiae*.
- Nematus vertebratus** (Say): *Syndipnus probatus*.
- Nematus** sp.: *Pimplopterus frigidus*, ?*Smicroplectrus apicatus*, *Smicroplectrus robustus*.
- Nematus** sp. on *Populus* sp.: *Scopiorus quebecensis*.
- Euura salicisnodus** Walsh: *Calliephialtes grapholithae*, *Gambrus ultimus*.
- Euura** sp. on *Salix* sp.: *Olesicampe euurae*.
- Croesus latitarsis** Norton: *Polyblastus pedalis*.
- Ametastegia glabrata** (Fallén): *Bathythrix claviger*, *Cubocephalus minutus*, *Cubocephalus osculatus*, *Gambrus newcomeri*, *Mastrus smithii*, *Scambus pterophori*, *Ipoctoninus striatus*.
- Macremphytus tarsatus** (Say): *Mastrus smithii*.
- Tomostethus multicinctus** Rohwer: *Giraudia plana*, *Lathrolestes tomostethi*, *Oocenteter tomostethi*.
- Tenthredinid: *Exenterus pini*, *Polyterus olympiae*.
- Tenthredinid on *Populus tremuloides*: *Polyterus olympiae*.
- Tenthredinid on *Prunus pennsylvanica*: *Scopiorus subcrassus*.

## XYELIDAE

- Xyela** sp.: *Idiogramma bridwelli*, *Idiogramma longicauda*.

## XIPHYDRIIDAE

- Xiphydria abdominalis** Say: *Rhyssella humida*.
- Xiphydria attenuata** Norton: *Rhyssella humida*.
- Xiphydria canadensis** Provancher: *Rhyssella nitida*.
- Xiphydria champlaini** Rohwer: *Rhyssella humida*.
- Xiphydria erythrogaster** Ashmead: *Rhyssella humida*.
- Xiphydria maculata** Say: *Rhyssella nitida*.
- Xiphydria tibialis** Say: *Rhyssella humida*.

## SIRICIDAE

- Sirex edwardsii** Brullé: *Rhyssa lineolata*.  
**Sirex** sp.: *Megarhyssa nortoni*, *Rhyssa persuasoria*.  
**Urocerus albicornis** (Fabricius): *Megarhyssa nortoni*, *Rhyssa lineolata*.  
**Urocerus cyaneus** (Fabricius): *Rhyssa lineolata*.  
**Urocerus** sp.: *Megarhyssa atrata*.  
**Xeris morrisoni** (Cresson): *Megarhyssa nortoni*.  
**Xeris** sp.: *Megarhyssa nortoni*, *Rhyssa lineolata*, *Rhyssa persuasoria*.  
**Tremex columba** (Linnaeus): *Deuteroxorides vittifrons*, *Megarhyssa atrata*,  
*Megarhyssa greeni*, *Megarhyssa macrurus*.  
 Siricid: *Rhyssa lineolata*, *Rhyssa persuasoria*.

## Miscellaneous Symphyta of Unknown Family

- Galls on *Salix* sp. made by ?sawflies: *Olesicampe modesta*.  
 Sawfly: *Adelognathus pallipes*.  
 Sawfly gall on *Salix* sp.: *Scambus euurae*.  
 Sawfly on *Betula lenta*: *Campoplex nigricinctus*.  
 Sawfly on *Betula nigra*: *Dicaelotus missouriensis*.  
 Sawfly on blackberry: *Lathrolestes rufigaster*.  
 Sawfly on *Ribes* sp.: *Olesicampe nematicidus*.  
 Sawfly on *Salix* sp.: *Polyterus olympiae*.  
 Sawfly on *Triticum aestivum*: *Mesostenus angustus*.

## (APOCRITA)

## BRACONIDAE

- Microbracon pygmaeus** (Provancher): *Gelis tenellus*.  
**Rogas laphygmae** Viereck: *Gelis perniciosus*.  
**Rogas stigmator** (Say): *Itoplectis conquisitor*.  
**Rogas terminalis** Cresson: *Itoplectis conquisitor*.  
**Rogas** sp.: *Cyrtobasis bicarinata*.  
**Microgaster** sp.: ?*Gelis tantillus*, *Mesochorus discitergus*.  
**Microplitis ceratomiae** Riley: *Mesochorus discitergus*.  
**Microplitis coactus** Lundbeck: *Gelis terebrator*.  
**Microplitis croceipes** (Cresson): *Mesochorus discitergus*.  
**Microplitis gortynae** Riley: *Gelis spiraculus*, *Gelis tenellus*, *Haplaspis mandibularis*.  
**Microplitis melianae** Viereck: *Mesochorus discitergus*.  
**Apanteles aletiae** Riley: *Isdromas lycaenae*.  
**Apanteles congregatus** (Say): *Isdromas mesochori*, *Mesochorus discitergus*,  
 ?*Mesochorus pieridicola*.  
**Apanteles flaviconchae** Riley: ?*Mesochorus discitergus*.  
**Apanteles lacteicolor** Viereck: *Gelis obscurus*, *Gelis tenellus*.  
**Apanteles laeviceps** Ashmead: *Hemiteles cincticornis*.



**Apanteles melanoscelus** (Ratzeburg): *Acrolyta nigricapitata*, *Alegina apantelis*, *Gelis apantelis*, *Gelis inutilis*, *Gelis nocuus*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*, *Haplaspis mandibularis*, *Itopectis conquisitor*, *Mesochorus discitergus*.

**Apanteles militaris** (Walsh): *Gelis minimus*, *Gelis perniciosus*.

**Apanteles smerinithi** Ashmead: *Mesochorus discitergus*.

**Apanteles solitarius** (Ratzeburg): *Gelis apantelis*, *Gelis obscurus*, *Gelis tenellus*, *Gelis urbanus*.

**Apanteles** sp.: *Gelis atratus*, *Haplaspis mandibularis*, *Isdromas mesochori*, *Mesochorus discitergus*.

Microgasterinae: *Mesochorus discitergus*.

**Bracon vulgaris** (Cresson): *Mesochorus agilis*.

**Meteorus acronyctae** Muesebeck: *Gelis tenellus*.

**Meteorus communis** (Cresson): *Bathytrix meteori*, ?*Gelis tenellus*, *Mesochorus discitergus*.

**Meteorus datanae** Muesebeck: *Gelis tenellus*.

**Meteorus hyphanthiae** Riley: *Gelis tenellus*.

**Meteorus laphygmae** Viereck: *Gelis perniciosus*.

**Meteorus versicolor** (Wesmael): *Bathytrix triangularis*, *Gelis tenellus*, *Gelis urbanus*.

#### ICHNEUMONIDAE

**Iseropus coelebs** (Walsh): ?*Bathytrix pimplae*, *Campoplex validus*, *Itopectis conquisitor*, ?*Mastrus americanus*, *Phobetes thyridopteryx*.

**Tromatobia rufopectus** (Cresson): *Theronia bicincta*.

**Coccygomimus pedalis** (Cresson): ?*Theronia hilaris*.

**Itopectis behrensii** (Cresson): *Mastrus aciculatus*.

**Itopectis conquisitor** (Say): *Phobetes thyridopteryx*, *Theronia atalantae*.

**Otacustes crassus crassus** (Provancher): ?*Gelis tenellus*.

**Gambrus extrematis** (Cresson): *Bathytrix pimplae*, *Coccygomimus aequalis*, *Gelis tenellus*, *Itopectis conquisitor*, *Mastrus smithii*, *Theronia atalantae*.

**Charops limenitidis** (Howard): *Gelis tenellus*.

**Campoplegidea ellopiae** Walley: *Itopectis conquisitor*.

**Phobocampe clisiocampae** (Weed): *Itopectis conquisitor*.

**Phobocampe geometrae** (Ashmead): *Bathytrix triangularis*.

**Hyposoter fugitivus fugitivus** (Say): *Gelis tenellus*, *Iseropus coelebs*, *Itopectis conquisitor*, *Theronia atalantae*.

**Hyposoter pilosulus** (Provancher): *Gelis atratus*, *Gelis tenellus*.

**Enicospilus americanus** (Christ): *Gelis tenellus*, *Theronia atalantae*.

#### CYNIPIDAE

##### (CYNIPINAE)

**Disholcaspis mamma** (Walsh): *Scambus hispae*.

**Diastrophus radicum** Bassett: *Orthopelma diastrophii*.

- Diastrophus turgidus** Bassett: *Orthopelma mediator*.  
**Diplolepis ignota** (Osten Sacken): *Orthopelma mediator*.  
**Diplolepis radicum** (Osten Sacken): *Orthopelma diastrophii*.  
**Diplolepis rosae** (Linnaeus): *Orthopelma mediator*.  
**Diplolepis rosaefolii** (Cockerell): *Orthopelma mediator*.  
**Diplolepis similis** (Ashmead): *Orthopelma occidentale*.  
**Diplolepis** sp.: *Orthopelma mediator*.  
 Cynipid gall on *Rosa* sp.: *Orthopelma californicum*, *Orthopelma mediator*.

## CHALCIDIDAE

## (EULOPHINAE)

- Dimmockia incongruus** (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.  
**Pleurotropis albitarsis** (Ashmead): ?*Alegina annulata*, ?*Gelis tenellus*.

## VESPIDAE

- Ancistrocerus birenimaculatus** (Saussure) *Acroricnus aequatus junceus*.  
**Ancistrocerus tigris** (Saussure): *Acroricnus aequatus junceus*.  
**Polistes canadensis annularis** (Linnaeus): *Polistiphaga fulva*.  
**Polistes fuscatus** (Fabricius): *Polistiphaga fulva*.  
**Polistes fuscatus pallipes** Lepeletier: *Polistiphaga fulva*.  
**Polistes fuscatus rubiginosus** Lepeletier: *Polistiphaga fulva*.  
**Polistes fuscatus variatus** Cresson: *Polistiphaga fulva*.  
**Polistes** sp.: *Polistiphaga fulva*, *Polistiphaga stupida*.  
**Vespa maculata** (Linnaeus): *Sphecophaga burra*.  
**Vespa maculifrons** (Buysson): *Sphecophaga burra*.

## PSAMMOCHARIDAE

- Ageniella bombycina** (Cresson): *Messatoporus discoidalis*.  
**Ageniella petiolata** (Cresson): *Messatoporus discoidalis*.  
**Pseudagenia mellipes** (Say): *Messatoporus discoidalis*.  
**Ceropaes fraterna** Smith: *Messatoporus discoidalis*.

## SPHECIDAE

- Sceliphron caementarium** (Drury): *Acroricnus aequatus junceus*.  
**Pemphredon concolor** Say: *Perithous pleuralis*.  
**Crabro** sp.: ?*Grotea anguina*.

## CERATINIDAE

- Ceratina calcarata** Robertson: *Grotea anguina*.  
**Ceratina dupla** Say: *Gambrus zoesmairi*, *Grotea anguina*.

## ARANEAE

## DICTYNIDAE

**Dictyna foliacea** (Hentz): *Zatypota dictynae*.

## GNAPHOSIDAE

**Zelotes ater** (Hentz): *Gelis prosthesimae*.

**Zelotes** sp. eggs: *Lymeon orbus*.

Gnaphosid eggs: *Gelis bruesii*, *Gelis drassi*, *Gelis lymensis*, *Gelis obscurus*.

## THERIDIIDAE

**Steatoda borealis** (Hentz): *Oxyrrhexis carbonator*.

**Theridion** sp.: *Zatypota theridii*.

## ARGIOPIDAE

**Araneus cornutus** Clerk: *Polysphincta strigis*.

**Araneus cornutus** Clerk: nest *Gelis macer*.

**Araneus sericatus** Clerk: ? *Tromatobia zonata*.

**Argiope argentata** (Fabricius): eggs: *Tromatobia rufopectus*.

**Argiope aurantia** (Lucas) eggs: *Tromatobia rufopectus*, *Tromatobia scriptifrons*.

**Neoscona arabesca** Walckenaer: *Hymenoepimecis wiltii*.

**Tetragnathus** sp.: *Colpomeria kincaidii*.

"**Epeira**" sp.: *Polysphincta limata*.

Argiopid eggs: *Tromatobia rufopectus*.

Eggs of garden spider: *Tromatobia rufopectus*.

Eggs of green argiopid: *Tromatobia rufopectus*.

## CLUBIONIDAE

**Micaria** sp. eggs: *Gelis micariae*, *Gelis obscurus*.

## AGELENIDAE

**Agelena naevia** Walckenaer: *Gelis meabilis*.

## Miscellaneous Araneae of Unknown Family

**Micaria** sp. or **Zelotes** sp. eggs: *Gelis ottawaensis*.

Spider eggs: *Gelis bruesii*, *Gelis davidsonii*, *Gelis dispar*, *Gelis macer*, *Gelis obscurus*, *Gelis ottawaensis*, *Gelis pettiti*, *Gelis uniformis*, *Lymeon orbus*, *Tromatobia lateralis*, *Tromatobia ovivora*, *Tromatobia rufopectus*, *Tromatobia rufovariata*, *Zaglyptus incompletus*.

Spider nest: *Clistopyga nigrifrons*.

## SYSTEMATIC LIST OF PARASITES OF NEARCTIC ICHNEUMONIDAE

The following is a list of all records of parasitic insects attacking Nearctic Ichneumonidae. References to the authorities for these records may be found through the parasite lists under the various host species in the body of the catalogue.

## HYMENOPTERA

## ICHNEUMONIDAE

- Iseropus coelebs** (Walsh): *Hyposoter fugitivus*.  
**Coccygomimus aequalis** (Provancher): *Gambrus extrematis*.  
**Coccygomimus instigator** (Fabricius): *Iseropus coelebs*.  
**Itoplectis conquisitor** (Say): *Campoplegidea ellopiae*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Iseropus coelebs*, *Phobocampe clisiocampae*.  
**Theronia atalantae** (Poda): *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Itoplectis conquisitor*.  
**Theronia bicincta** (Cresson): *Tromatobia rufopectus*.  
**Theronia hilaris** (Say): ?*Coccygomimus pedalis*.  
**Bathythrix pimplae** Howard: *Gambrus extrematis*, ?*Iseropus coelebs*.  
**Bathythrix triangularis** (Cresson): *Phobocampe geometrae*.  
**Mastrus aciculatus** (Provancher): *Itoplectis behrensii*.  
**Mastrus smithii** (Packard): *Gambrus extrematis*.  
**Mastrus americanus** (Howard): *Iseropus coelebs*.  
**Phobetes thyridopteryx** (Riley): *Iseropus coelebs*, *Itoplectis conquisitor*.  
**Gelis atratus** (Ashmead): *Hyposoter pilosulus*.  
**Gelis tenellus** (Say): *Casinaria orgyiae*, *Enicospilus americanus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter pilosulus*, ?*Otacustes crassus crassus*.  
**Campoplex validus** (Cresson): *Iseropus coelebs*.  
**"Hemiteles" sp.**: *Campoletis argentifrons*.

## CHALCIDIDAE

## (ORMYRINAE)

- Monodontomerus subobsoletus** Gahan: *Gambrus extrematis*.  
**Monodontomerus sp.**: ?*Gambrus extrematis*.

## (PERILAMPINAE)

- Perilampus hyalinus** Say: *Campoplex validus*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*.

## (CHALCIDINAE)

- Spilochalcis albifrons** (Walsh): *Gelis minimus*.

## (EURYTOMINAE)

- Eurytoma sp.**: *Glypta rufiscutellaris*.

## (ENCYRTINAE)

**Epiencyrtus thyreodontis** (Ashmead): *Thyreodon atricolor atricolor*.

**Eupelmella vesicularis** (Retzius): *Bathyplectes curculionis*.

**Eupelmus** sp.: *Glypta rufiscutellaris*.

## (PTEROMALINAE)

**Catolaccus aeneoviridis** (Girault): *Bathyplectes curculionis*, *Campoletis argenti-frons*, *Hyposoter pilosulus*.

**Coelopisthia suborbicularis** (Provancher): *Itoplectis conquisitor*.

**Dibrachys** sp.: *Gambrus extrematis*.

**Dibrachys cavus** (Walker): *Bathyplectes curculionis*, *Campoplex validus*, *Gambrus extrematis*, *Hyposoter fugitivus*, *Hyposoter fugitivus pacificus*, *Hyposoter pilosulus*, *Iseropus coelebs*, *Itoplectis conquisitor*, *Phobocampe clisiocampae*, *Polistiphaga fulva*, *Theronia atalantae*.

**Eupteromalus viridescens** (Walsh): *Horogenes insularis*.

**Eupteromalus** sp.: *Bathyplectes curculionis*.

**Habrocytus thyridopterigis** Howard: *Hyposoter fugitivus*.

**Habrocytus** spp.: *Bathyplectes curculionis*.

**Hypoeteromalus percursus** Girault: *Hyposoter pilosulus*.

**Pteromalus puparium** (Linnaeus): *Hyposoter fugitivus*, *Phobocampe clisiocampae*.

## (EULOPHINAE)

**Cirrospilus inimicus** Gahan: *Gambrus extrematis*.

**Dimmockia incongruus** (Ashmead): *Sphecophaga burra*.

**Tetrastichus bruchophagi** Gahan: *Bathyplectes curculionis*.

**Pleurotropis tarsalis** (Ashmead): *Hyposoter fugitivus*.

## (ELASMINAE)

**Elasmus atratus** Howard: *Phobocampe pallipes*.

**Elasmus varius** Howard: *Hyposoter fugitivus*.

## (Miscellaneous chalcidids)

Chalcidid: *Bathyplectes curculionis*, *Phobetis thyridopteryx*.

## TRIGONALIDAE

**Lycogaster pullata** Shuckard: *Enicospilus americanus*.

## ERRATA AND ADDENDA

- Page 16, line 13. For *morpha*, read *mophora*.
- Page 18, second column, first line under Tryphoninae. For *Notomeris* read *Pammicra*.
- Page 20, first column, third to last line. For Eucerosini read Euceratini.
- Page 20, first column, last line. The word should be Pionini.
- Page 21, second column, line 11. For *Troctonus*, read *Ipoctoninus*.
- Page 22, first column, lines 9 to 12. Delete *Casinaria*, *Zastenomorpha*, *Fiebrigia*, and *Zacharops*. Insert *Charops*.
- Pages 56 and 67, footnotes. Since this Catalogue went to press, Hemming (Bull. Zool. Nomenclature, Oct. 1943, 1, pt. 3: 70-86) has published that the International Commission on Zoological Nomenclature in June 1939 declared *Ephialtes*, *Pimpla*, and *Ichneumon* to be nomina conservanda, these to be used in the sense of European and older authors. An examination of the case shows that the vote to do this was not made by the full Commission as required by the usual rules of the Commission, but by Jordan and Hemming apparently without notifying the rest of the Commissioners that a vote was being taken, without asking for comments from them, and without notifying them of the action taken. A letter of March 1943, addressed to Dr. James L. Peters, Assistant Secretary of the Commission, regarding the status of these names received the reply that as far as he could find out from his file of correspondence, it had not received any attention since it was first published in 1936. It is perhaps useless to quibble about the "legality" of the Jordan and Hemming decision, as the above publication, together with earlier proceedings of the Commission clearly indicates the intention of the Commission, which would probably be verified if the matter were brought up before the Commission again. My own intention in regard to these names is to follow accepted rules of nomenclature, at least until it is clear that the Commission's policy in regard to nomina conservanda will receive the respect and support that is needed to make them endure.
- Page 83, second line under *Diacritus* should read: Genotype: *Mesoleptus? muliebris* Cresson. Included by Davis, Canad. Ent. 1895, 27: 288-289.
- Page 84, line 9. For *pleuricinctus*, read *pluricinctus*.
- Page 84, line 19. Delete entire line.
- Page 110, third to last line. For *brevicaudum* read *brevicaudus*.
- Page 125, after line 7. Insert the genus *Atopotrophos* from page 174.
- Page 143, second line under *Boethus alaingens*. For (A. N. S. P.) read (U. S. N. M.).
- Page 154, line 12. For *californicus* read *californicus*.
- Page 156, line 25. For *seminigra* read *seminiger*.
- Page 158, third line from bottom. For *Acetononyx* read *Actenonyx*.
- Page 181, lines 32 and 42. For *Chrysopa carnea* read *Chrysopa plorabunda*.

- Page 228, following line 18 insert *Stilpnus tenebricosus* from page 233 (where it occurs as *Atractodes tenebricosus*) and add the following reference: *Stilpnus tenebricosus* Roman, Arkiv för Zoologi, 1918, 12, no. 2: 30 [syn., des.].
- Page 233, lines 1 through 8. See the correction above for page 228.
- Page 244, sixth line from bottom. For *Shenkia* read *Schenkia*.
- Page 261, line 4. For *Gambrus ornatus* (Provancher) read *Gambrus zoesmairi* (Dalla Torre).
- Page 261, line 6. Add: Preoccupied by Gravenhorst, 1829. I am indebted to Mr. G. S. Walley for calling my attention to this preoccupation.
- Page 261, line 9. Add: and by Provancher, 1877.
- Page 261, line 24. For *Gambrus sordidus* (Provancher) new combination, read *Gambrus polyphemi* new name.
- Page 261, line 26. Add: Preoccupied by Tschek, 1870. I am indebted to Dr. H. D. Pratt for calling my attention to this preoccupation and for suggesting the substitute name.
- Page 355, line 8. For *hiulcus* read *hiulca*.
- Page 426, sixth line from bottom. For page 39 read page 93.
- Page 448. After line 13 insert *Lissonota gelida* with its references from page 451.
- Page 450, line 1. For *Lampronota* read *Lissonota*.
- Page 450, line 31. The reference should be: *Hammaniella* (!) *relativa* Viereck, Canad. Ent., 1902, 34: 67. ♂. [o. d., N. J. (A. N. S. P.), Mass.]
- Page 451, line 30. For *Lampronota* read *Lissonota*. *Lissonota gelida* and its references belong on page 448 after line 13.

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Synonyms and invalid names are given in italics. Misspelled names are followed by an exclamation mark (!) and, unless several authors have used the misspelling, also by the name of the author responsible for the misspelling. Specific names that are nomina nuda or that represent misdeterminations are given without an author. An asterisk (\*) indicates an extralimital species, included usually as a genotype.

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\* Miss Alice H. Renk, of the Division of Insect Identification, U. S. Bureau of Entomology and Plant Quarantine, has assisted in the preparation of this and the host and parasite indices.



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*flavistigma* Davis (*Habronyx*).. 763  
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*flavitarsis* Cresson (*Hoplismenus*, *Trogus*)..... 320  
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*\*flavolineatus* Cameron (*Netelia*, *Paropheltes*)..... 129  
*\*flavomaculata* Cameron (*Coelichneumon*, *Aglaojoppa*)... 408  
*\*flavonotata* Holmgren (*Ephialtes*, *Apechtis*)..... 67  
*flavo-orbitalis* Cameron (*Zaleptopygus*, *Tarytia*, *Cremastus*).. 686  
*flavopicta* Kriechbaumer (*Opi-sorhyssa*)..... 767  
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*flavopictus* Davis (*Adelognathus*)..... 144  
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*flavus* Cushman (*Exetastes*)... 467  
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*foliicola* Cushman (*Alophoster-num*)..... 30  
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| <i>foutsi</i> Rohwer ( <i>Aplomerus</i> )....  | 115      | <i>frumentarius</i> Rondani ( <i>Campo-</i><br><i>plex, Omorga, Omorgus</i> )....   | 605      |
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*nigricollis* Wesmael (*Cyclolabus*, *Platylabus*)..... 310  
*nigricorne* Provancher (*Ctenopelma*, *Mesoleptus*)..... 491  
*nigricornis* Ashmead (*Bathymetis*)..... 223  
*nigricornis* Ashmead (*Cubocephalus*)..... 589  
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*nigrita* Cresson (*Arenetra*, *Lampronota*)..... 443  
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*obscurellus* Cresson (Rhorus, *Cyphanza*, *Erromenus*, *Mono-blastus*)..... 487  
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*ocellata* Walley (*Campoplegidea*)..... 637  
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